

GAMES

Can You Find 43 Clichés?

It's as easy as shooting fish in a barrel.

(Now find 42.)

Answers, page 60.



05

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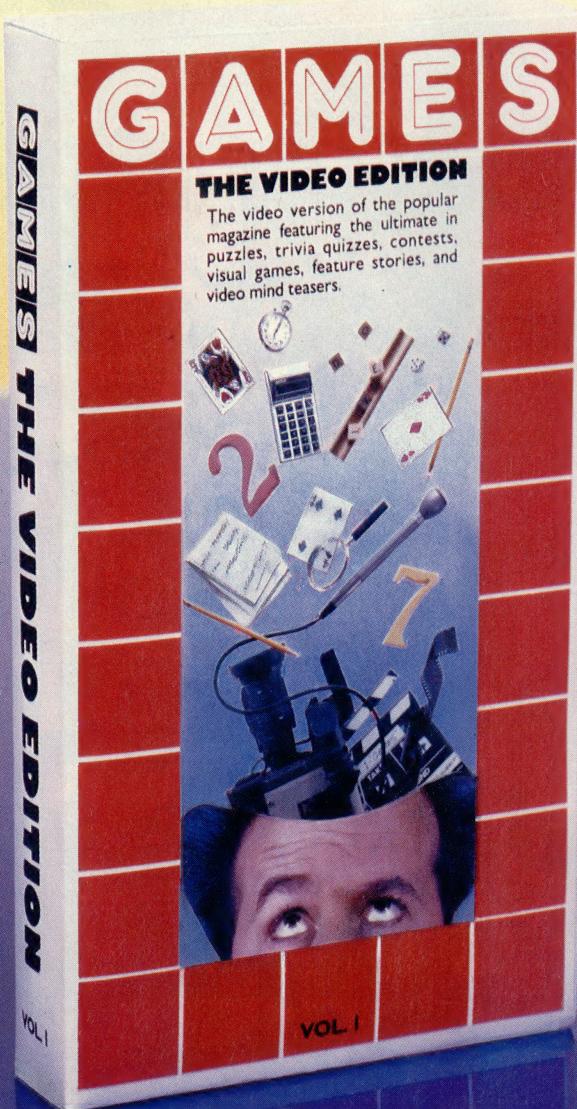
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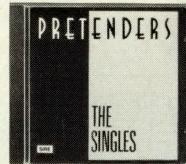
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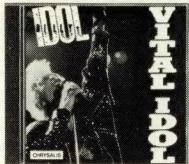
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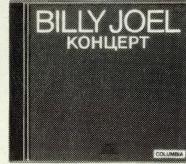
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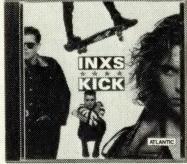
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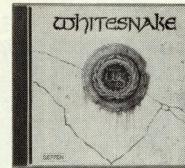
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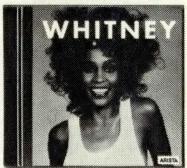
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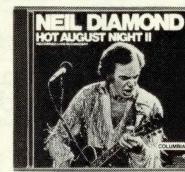
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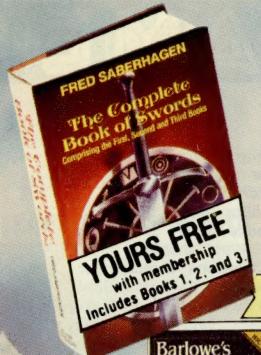
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FLIP SIDE ★

Lincoln, Jefferson, Roosevelt, Washington, Kennedy . . . Who's next?

Ian Strock
Brooklyn, NY

SUM-IT MEETING ★★

In the addition problem below, each digit has been replaced by a different letter. Each letter stands for the same digit wherever it appears. Can you break the code and find the numbers?

$$\begin{array}{r}
 \text{U} \ \text{S} \ \text{S} \ \text{R} \\
 + \ \text{U} \ \text{S} \ \text{A} \\
 \hline
 \text{P} \ \text{E} \ \text{A} \ \text{C} \ \text{E}
 \end{array}$$

Wendell Harms
Lowe Farm, Manitoba

LONG, LONG TRAIL ★★

A ladybug at one end of a 4-inch elastic string begins crawling toward the other end. After it travels an inch, the string stretches to double length (8 inches). After it travels another inch, the string again stretches to double length (now 16 inches). In fact, every time the poor ladybug advances an inch, the string then doubles in length. After the string doubles for the 100,000th time, where is the ladybug?

Clyde T. Eisenbeis
Oakdale, MN

HOW'S THAT? ★★

Ircles slive the drobby glents and parkles hork all jeamers. When drystals glaith at torfazand then bilfen anfer plermings. No wumbles blee the dorpledum if ircles slive the drobby glents. If drystals do not glaith at torfazand and parkles hork all jeamers, then wumbles blee the dorpledum.

Do bilfen anfer plermings?

Leah L. Lavelle
Ocean City, NJ

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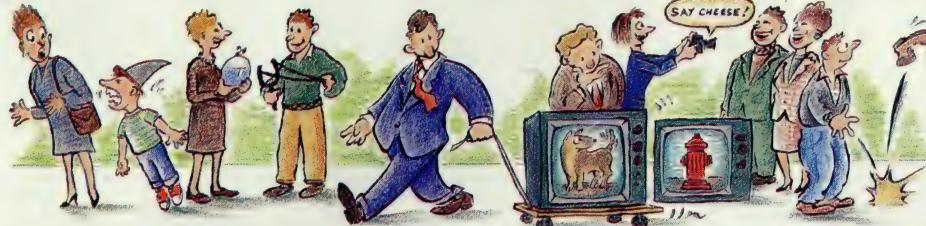
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THE FADDING CROWDS

Ken Hakuta is making sure that fads won't become a passing fancy. Last fall in New York City, he staged his third annual Fad Fair, a showcase for inventors who hope that their toys and gadgets will become the next Slinky or Wacky Wallwalker.

The latter helped Hakuta earn his sobriquet, Dr. Fad (Gamebits, January '87). In 1982, Hakuta bought world rights to the Japanese Wallwalker, a rubber spider that crawls down walls; since then, it has netted the "High Priest of Fads" an estimated \$20 million. Now Hakuta spends much of his time advising others on how to develop their wacky products.

At the Fad Fair, wacky was indeed the word, from a horn that makes the cry of a bull elephant and a tattoo ink guaranteed to last at least 12 days to hats shaped like shark fins and rubber shoes designed to vent anger by being thrown, not worn.

Among the 100 or so gadgets and gimmicks on display, a few caught our eye. Will today's silly ideas become tomorrow's craze? We haven't the foggiest, but here they are anyway.

• **Rock in Roll**—Perhaps the pet rock of the Eighties, this "pun in a bun" is a rock baked inside a sandwich roll and coated in varnish.

• **Robo-Cam**—No trouble getting someone to smile for this plastic, mini-110 camera. Press its button and a computerized voice giggles "Say Cheese," then bursts into hysterical laughter.

• **Video Dog**—This videotape shows "your" dog frolicking in the grass, fetching a bone, and generally obeying the commands of "you," the owner. And it doesn't have to be housebroken. For cat lovers with allergies, a Video Cat is also available.

• **Carmics**—Shaped like dialogue balloons in comic books, these cardboard signs allow drivers to communicate with each other. If

you're feeling expressive, hold one up to the window of your car to say "Jerk," "Idiot," "Hi, Cutie," "Sorry, don't shoot," etc.

• **Slinking**—Throwing water balloons is an inaccurate, often messy business. But with this slingshot device, claim its makers, you'll have no trouble hitting someone in the head from 100 yards. Business conventions will never be the same.

• **Fluorescent toilet seat**—If you've ever had trouble fumbling around in the john at night, this glow-in-the-dark seat is a godsend. It's especially useful in those tense moments during power blackouts.

—Curtis Slepian

LOST CAUSE

To some, Vacaville, California, a small city north of San Francisco, is noteworthy only for its proximity to the wine-growing Napa Valley. But this year, Vacaville rates a visit for another reason—it'll be home to the biggest outdoor maze in the U.S., a nearly acre-large creation called the Wooz.

Sun Creative System U.S.A., the American arm of a Japanese company that's developed four mazes in Japan, is building the singular attraction. Why here? "Vacaville nice weather," says Sun Creative's Sabrina Ho, in somewhat halting English. "Countryside available."

And the California town is glad to be accommodating. Sun intends to erect the Wooz (an acronym for "Wild, Original, Object Zoom") explains Ho crypti-

cally) as the hub of its planned 12-acre, \$10 million amusement park. Both the city and Sun Creative expect to reap profits from the project (in Japan, it's estimated that each maze grosses \$4 to \$6 million a year).

The idea of an outdoor maze is simple: People pay money (in Vacaville, admission to the Wooz will run about \$8 a head) to go inside and get lost for a while, then emerge triumphantly—a process that takes about 45 minutes. Vacaville city manager John Thompson says, "Our maze will be made up of a series of 6-to-8-foot redwood fences that can be changed around every week or so, so that people don't figure out the pattern.

"Inside, there'll be gardens and restaurants, for people to relax along the way. And there'll be platforms they can climb on to get an elevated view of where they are and to help them figure a way out."

Those who can't make the trek to Vacaville may soon be able to get lost closer to home. Sun Creative is planning to build 60 more Woozes around America.

—Michael Rozek

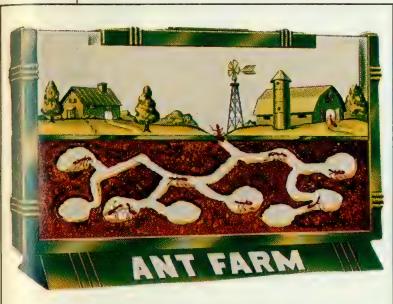


Lunching in a labyrinth: The Wagoh Wooz in Nagoya, Japan

ANTY SOCIAL

Not every farm in the United States is in financial trouble. This year marks the 35th anniversary of the ever-popular Ant Farm—a green, plastic-enclosed 6-inch-high, 9-inch-wide landscape filled with red harvester ants going about their business.

And business has never been better for the Ant Farm, says its creator, 73-year-old Milton ("Uncle Milton") Levine. According to



Like their "Uncle," ants are hard workers.

Levine, 1987 was his product's biggest year ever. "We have 22 sales reps all over the country now," he boasts from his office at Uncle Milton Industries, in Culver City, California.

All told, Levine's company has sold over seven mil-

lion Ant Farms (they go for \$39 in The Sharper Image catalogue) since 1956. So, maybe you own one—in which case, listen to Levine. "The ants," he instructs, "are not meat eaters. They will eat a little dry cereal, a little sugar, maybe the tip of a raisin. Many people feel sorry for them and give them more. For them, that's as if you or I ate a horse."

Also, says Levine, don't expect your Ant Farm ants to live for more than a couple of months (replacement ants can be purchased).

Levine confirms that the surviving ants in the Ant Farm always seem to bury their dead in the Farm's northwest corner: "It must be some kind of magnetic thing that draws them. If you turn the Farm around, they'll bury them on the other side. It's quite a society."

For his part, Levine intends to keep on making Ant Farms indefinitely. After all, he even owes his nickname to the little *Pogonomyrmex californicus* that populate his product: "When I got into the ant farm business, people would say to me, 'How come so many ants and no uncles?' So I became Uncle Milton." —Michael Rozek

CLEAN SPORTS

Housekeeping is usually a dirty business. But for the last three years at Nashville's Opryland Hotel, it's been all fun and games.

Opryland is the home of the Housekeeping Games, where professional tidying skills are put to Olympian tests.

At stake in last fall's competition was \$600 in prize money, and each six-man team—representing 12 Nashville hotels—hoped to clean up.

The games consisted of seven events. In one, contestants raced housekeeper's carts piled high with toilet paper rolls around a

slalom course made of Wet Floor signs.

A hotelier's version of *Ben-Hur* had competitors sitting in wheeled mop buckets holding mops, and being dragged horse-and-chariot fashion by teammates over the slalom course.

Another event involved pairs of teammates undressing and dressing a cloth dummy. This was tougher than it sounds. Patricia Schappert, the Opryland's director of housekeeping, contends, "I don't care how many times you do it, it's really hard to get jockey briefs onto a dummy."

Though housekeepers don't ordinarily need the tal-

ents of a Dwight Gooden, players were called on to pitch rolls of toilet paper through a toilet seat about six feet off the ground.

In the key event of the games, "Big Bed Makeoff," one contestant from each team made a bed as quickly as possible. Executive Housekeepers from each hotel then judged the beds according to such factors as the tightness of the hospital corners and the smoothness of the blankets.

This event was won by the Opryland's Cynthia Cook, who made her bed in two minutes, eight seconds. Her technique? "I put everything on the bed at once, flop it down real hard, then tuck things in from the bottom up." Cook's performance swept the Opryland team to victory.

Although it was their second win in three years, Schappert swears that there's no home field advantage: "We announced what the events would be two months in advance, and I know that other teams were practicing."

—Minda Zetlin

PIECE PLANS

As a boy, Mel Andringa discovered something about jigsaw puzzles that many avid puzzle fans know only too well: Manufacturers employ a limited number of die cuts, often making pieces from different puzzles interchangeable. Given a set of WWII airplane puzzles, Andringa was soon interlocking pieces from different puzzles to create, he says, "some spectacular mid-air collisions."

Now an assistant professor of art at the University of Iowa, the 43-year-old Andringa is again re-jigging puzzles, and no less spectacularly.

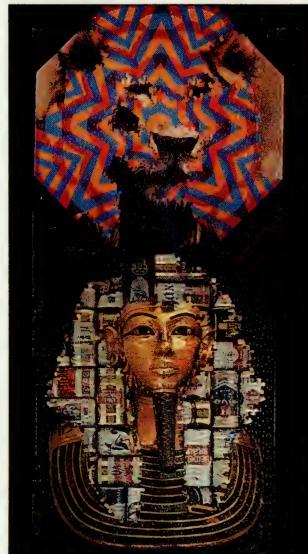
Buying secondhand jigsaws by the armload, he creates what he calls "found-art collages"—visual puns and conundrums. An-

dringa sells them to jigsaw/art lovers for \$175 apiece.

In one, a medieval castle pops up in a modern city skyline. Other Andringa hybrids, such as a bowl of spaghetti covered by an ocean wave instead of tomato sauce, border on the surreal.

"I get very philosophical, almost metaphysical about putting these works together," says Andringa, who, billing himself as Professor Puzzle, lectures on the history, psychology, and aesthetics of jigsaw puzzles.

When he finds interchangeable puzzles, Andringa generally works one on top of another. Before long, the images start to relate to one another, and suggest various juxtapositions and substitutions. For example, armed with four



Andringa's art makes you rethink the familiar.

sports-related jigsaws, he first contrived the image of a skydiver floating underwater, then blended leftover oceanic and automotive images. The result is a collage titled "Skin Driver."

Unlike some puzzle purists, Andringa admits he looks at the boxtop picture before putting the puzzle together. "I'm also a businessman," he says. "If I put them together faster, I make more money."

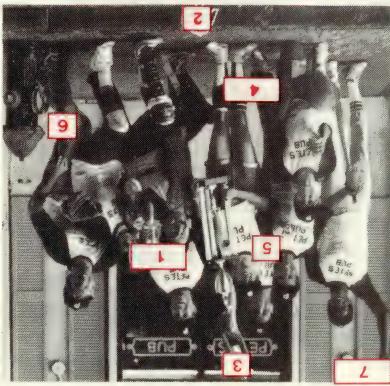
—John Grossmann

THE SEAGRAM'S 7 CHALLENGE

Here's a quick visual puzzle to test your powers of observation. We've enlarged the advertisement for Seagram's 7 on the facing page, then taken several details from the enlargement and reproduced them below. By studying the ad, can you spot the exact places from which the seven details were taken? (Answers appear below.)



ANSWERS



MAGIC *

BY LUTHER WARM

Die Jest

Welcome to the world of magic. I have a hunch that you like to play games. A pretty amazing guess, right? OK, maybe you're not impressed yet. However, if you read on, I'll perform a trick that will prove my powers beyond doubt.

Most people believe that dice games are purely games of chance, but I will now demonstrate that I can foresee the number on top of a die that is totally within your control.

First, find a die in a junk drawer or game box. Next, roll the die so that it lands on this page. Use any technique you like: Throw it from under your leg, behind your neck, or while vigorously rubbing it and humming.

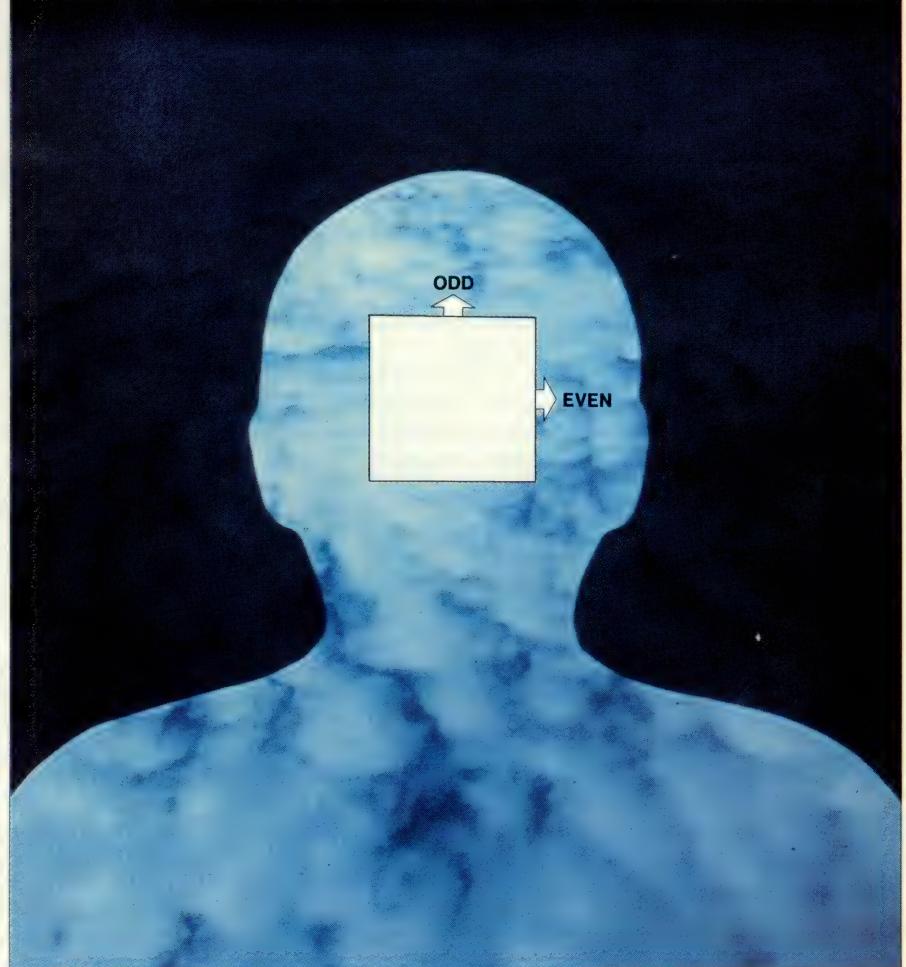
Move the die to the square below, aligning the edges of the die with the edges of the square. Now, if the num-

ber showing on top of the die is even, give the die a quarter-turn to the right, as indicated by the arrow. If the top number is odd, give it a quarter-turn toward the top of the page instead.

Now look at the new number showing on top of the die. If it's even, again turn the die a quarter-turn to the right; if it's odd, turn it toward the top. Repeat this procedure (turning the die—don't rethrow it) five more times.

The die is now warmed up. Continue turning it, according to the arrows, until a 6 appears on top. Then turn it one more time in the indicated direction, and remember the number on top.

I have a hunch about that number. So strong a hunch, in fact, that I've written it in the Answers, page 58.



JOSEPH SEAGRAM & SONS NY AMERICAN WHISKEY A LITTLE BIT ROUGH

SEAGRAM'S 7 AND NINE



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Strokes of Genius

THERE'S AN ART TO FORGING ART.
READ HOW MASTER FORGERS INGENIOUSLY
AVOID DETECTION—AND A BRUSH WITH THE LAW.

by Neil Steinberg

Sam Carini, a small, exuberant man, strides into the Prints and Drawings room at The Art Institute of Chicago, lugging a huge black portfolio. Setting the portfolio down on a massive wood table, he opens it and starts pulling out drawings.

"You have to be very careful with Russell and Remington," he says, displaying sketches, apparently from the famous artists of the Old West. Several of the drawings are illustrated letters—sheets of "C. M. Russell" stationery adorned with cowboys and wranglers. All are fakes.

"We got these from the FBI—they didn't know what else to do with them," says Carini, an assistant curator at the museum. "Of course, having some of that stationery printed up would be the easiest thing in the world."

He flashes more drawings, several Picassos ("Would you buy that?" he scoffs. "Somebody did, once.") a Seurat crayon drawing, a Daumier caricature. He lays out seven pencil portraits done in the style of Modigliani.

"Look at that line," he says, pointing to one of the drawings. "This line is wrong. Modigliani would have done better than this. He knew anatomy. He knew how to draw."

Some of the Modiglianis are real, others fake. But Carini doesn't use those terms. Rather he says certain drawings are *attributed* to Modigliani, others *thought* to be fake. In the shifting, nebulous world of art for-

ery, it is reckless to announce your convictions too strongly—because this year's masterpiece is apt to be denounced as next year's forgery, and the forgery currently collecting dust in the basement could very well be rehabilitated and hung in a place of honor. (Which is why, incidentally, museums tend not to dispose of their forgeries. It wouldn't do to toss a non-Rembrandt into the trash, only to find out a few years down the road that the old master did paint it after all.)

One of the more public flip-flops of this kind concerned an ancient statue of Diana the Huntress, which appeared on the cover of the November, 1953 issue of *Art News*, and was hailed as "one of the greatest Etruscan finds in history." Less than a decade later, it was featured in the same magazine in an article titled "The Art of Fake Etruscan Art."

The Metropolitan Museum of Art has done a double flip-flop on its little Greek bronze horse. A favorite among museum visitors, the horse was thought to be from the 5th Century, B.C., and was called the "quintessence of the ancient Greek spirit" when it was purchased in 1923. In 1967, after it had been on display for decades, a museum administrator denounced the horse as a forgery. Five years later, after extensive examination, it was declared authentic again.

Though the 20th Century has been a golden age of forgery, forgeries have been around for as long as artwork has been bought and sold. During the Roman era, forgeries of Greek bronzes, silver, and sculpture were in great demand. The German master Albrecht Dürer made efforts to suppress "spurious reproductions," and Rembrandt's art was being

forged before he was out of his 20s.

How is a forgery created? It's easier than one might expect—you don't even have to know how to paint. Noted Chicago gallery owner Richard Gray remembers a beautiful Degas drawing that was brought to him. The drawing had been featured in several major Degas exhibits, and received praise from the most sophisticated museum curators. Taking the drawing out of its frame, Gray discovered that the "drawing" was actually a reproduction, cut out of a book and traced over in light chalk.

More sophisticated forgers face a complex scholarly and artistic task. Not only do they duplicate an artist's style, but they use the original artist's materials. Paint a Renoir on a piece of linoleum, or use acrylic paint, and a brush with the law is certain. Paint the gown on your fake Medieval Madonna Prussian blue and it's off to jail: Prussian blue was not manufactured until 1704.

The ravages of time also must be simulated. Skilled forgers add layers of grime, reproduce the cracking pattern that oils take on as they dry out, and even damage areas only to restore them, since most paintings over a century or two old have been retouched. Clever forgers of ancient sculpture will even collect ancient dust from the cracks of genuine works to insert in the cracks of their bogus copies.

Passing off reproductions as originals is drudge work. More skill can be demonstrated by altering the work of a relatively obscure artist to resemble that of another, more famous and valued artist. For every well-known artist, there are a dozen lesser lights working in a similar style. A forger

can simply blot out the signature of the minor artist and add the signature of the master. Over the years, so many paintings by John Frederick Peto were doctored to bear the signature of Peto's more famous contemporary, William Harnett, that Peto sunk into obscurity, his best paintings transformed into original Harnetts. Only in recent years, as the forgeries have been spotted, has Peto's popularity and importance begun to rise to its proper status.

Artists themselves sometimes complicate the detection of forgery. To increase their market value, Jean Baptiste Camille Corot, a French landscape painter, had the generous but disconcerting habit of signing the works of students, friends, followers, and other starving artists. Modigliani also signed his student's paintings. Picasso often declared genuine the forgeries that were brought to him for verification, out of a spirit of artistic playfulness, or to help a friend who purchased the spurious piece. Dali is notorious for muddying the line between art and forgery. French customs agents once stopped a truck carrying stacks of blank lithograph pages, all signed by Dali ("A person came to me and said, 'I have a Dali, can you help me?' " recalls Carini. "And I said, 'My dear, no one can help you.' ")

If changing the signature won't do the trick, forgers can alter the painting itself. While cleaning what they thought was a portrait of Henry VIII by court painter Hans Holbein the Younger, the owners of the painting were shocked to discover the picture of a Dutch burgher underneath and the signature of lesser-known Gerbrand Ban. Some time after the por-

trait had been painted, a forger had decided to up its value by adding Tudor clothes and the famous signature.

On one notable occasion, this technique backfired on a forger. In 1931, Alfred I. DuPont, of the chemical company family, was offered a painting that supposedly represented his great-great grandmother and her infant son. The seller wanted \$25,000, but DuPont, who had an eye for art, noticed that the work seemed to have more than one style, and dickered the price down to \$1,000. He then sent the painting off to the curator at the Philadelphia Museum of Art. The curator confirmed that the frilly 18th-century clothing, hairdos and jewels had been painted onto an older picture, and recommended they strip the paint off and see what was underneath. In a classic proof to the saying that begins "The rich get richer . . .," underneath the added clothing was discovered a first-class *Madonna and Child* by Murillo, valued at the time at \$150,000. The ignorant forger had painted over the Murillo in an attempt to sell it for what turned out to be a sixth of its real value.

The classic image of the forger, of course, is not a person framing cheap prints or dabbing out signatures, but someone who sits down and makes a full-blown copy of a famous work, then tries to pass the copy off as the original.

Several generations of an aristocratic family thought that Francesco Ubertini's *Portrait of a Lady* was hanging in their home. Then, in 1967, the J. Paul Getty museum announced the purchase of an authenticated *Portrait of a Lady* in London. After frantic investigation, the family discovered that, two generations earli-

er, a destitute ancestor had secretly made an exact copy of the painting and sold the original.

Because the original has a habit of showing up and causing trouble, direct reproduction is not a very popular form of forgery. A famous example of this danger occurred in 1955, when a New York woman named Florence E. Dickerman consigned her Fragonard oil (*Portrait of a Young Lady*) to Anthony Seaton, a freelance art dealer whom she had met at a cocktail party. When he failed to sell the work after several months, Dickerman asked him to return the painting to her. Seaton did, after a short delay, and urged her not to hang it in her living room, where it had hung originally, but in an inconspicuous place, such as a bedroom, because of its "intimate" nature.

Soon after she got the picture back home, Dickerman began to notice that the painting was somehow not as charming as it previously had been. She also detected a strong scent of linseed oil (used to mix oil-based paints). Suspicious aroused, she took the painting to the Brooklyn Museum to have it examined. Even before it could be proclaimed a fake, another dealer—Abraham Adler—stopped by and announced that he had just bought the same painting from Seaton for \$13,000. Seaton had copied the painting while it was in his possession, sold the original and returned the fake to Dickerman. Seaton was arrested and killed himself in jail. Dickerman ended up with both paintings, and hung the original in her New York apartment and the fake in her Long Island summer home.

Rather than merely copy a painting, more advanced forgers create what are known as pastiches. A pastiche is an assemblage from various existing paintings by the same artist—a face from this painting, a chair from that, a hairstyle from a third—all painted on a single canvas to create a new, bogus piece of art. Pastiche have the dual advantage of strongly resembling a master's work, while not being an exact copy of any one particular painting. For instance, in the Metropolitan Museum of Art collection, a forged Jan Vermeer reverses the profile and pose of the woman in the Dutch master's *Lady Reading a Letter*, and utilizes the background from his *Love Letter*.

The problem with pastiche is that anyone with a certain degree of scholarship can identify the various elements. Vermeer did not become famous by recycling subjects. To rise above pastiche the forger must pro-

RICHARD DERK/PICTURE GROUP



Sam Carini, an associate curator at The Art Institute of Chicago, displays a group of forgeries, including a bogus Picasso, Daumier, and Prendergast.

(CONTINUED ON PAGE 16)

GAMES MAY 1988 13

ARE YOU AN ART CONNOISSEUR?

IN THE ART WORLD, HAVING A keen "eye"—the ability to appreciate a master's rich tones and living expressions, or to detect the flat, static quality of a forgery—is considered essential.

How good is your eye? The following are some famous forgeries, along with the famous originals—can you tell which is which?

1. FALSE FRAGONARD: You can't smell the linseed oil that helped tip off Florence E. Dickerman to the falsity of the Fragonard she had been given. But can you see which painting boasts, according to one curator, a "shy and retiring grace, a softness and a charm," and which suffers from "a wooden chin, a spilled-on, not silk-en, dress, and a mouth which barks, not beckons"?

2. VAN GOGH KNOCK-OFF: Today,

van Gogh's paintings are the most valuable artwork in the world, adding more irony to his tragic life, during which his most important patron was his brother Theo, who bought his paintings secretly, as an act of charity. Two of these self-portraits were done by van Gogh himself. The other was done by German art dealer Otto Wacker. But which? (Hint: think pastiche.)

3. MASKED MASK: As primitive art became more and more popular, so primitive forgeries grew in number. To tell the real Lega Tribe mask (from the Republic of Zaire, these ivory masks are collectors' favorites) from the fake, remind yourself that the mask was made to be worn.

4. MANY MONAS: As if to illustrate the place that forgery holds in the art world, the *Mona Lisa*—that most fa-

mous painting of all, hanging in a revered position in the Louvre—may be a fake. A workman stole the picture in 1911, and it was missing for two years. Ever since, plot theorists have entertained themselves by wondering: What if the real one wasn't the one they recovered . . . One of the most copied paintings of all time (the Louvre once filled a gallery with *Mona* copies), can you tell which is the imitation *Mona*, and which is the real one, or at least, the one that is now hanging in the Louvre?

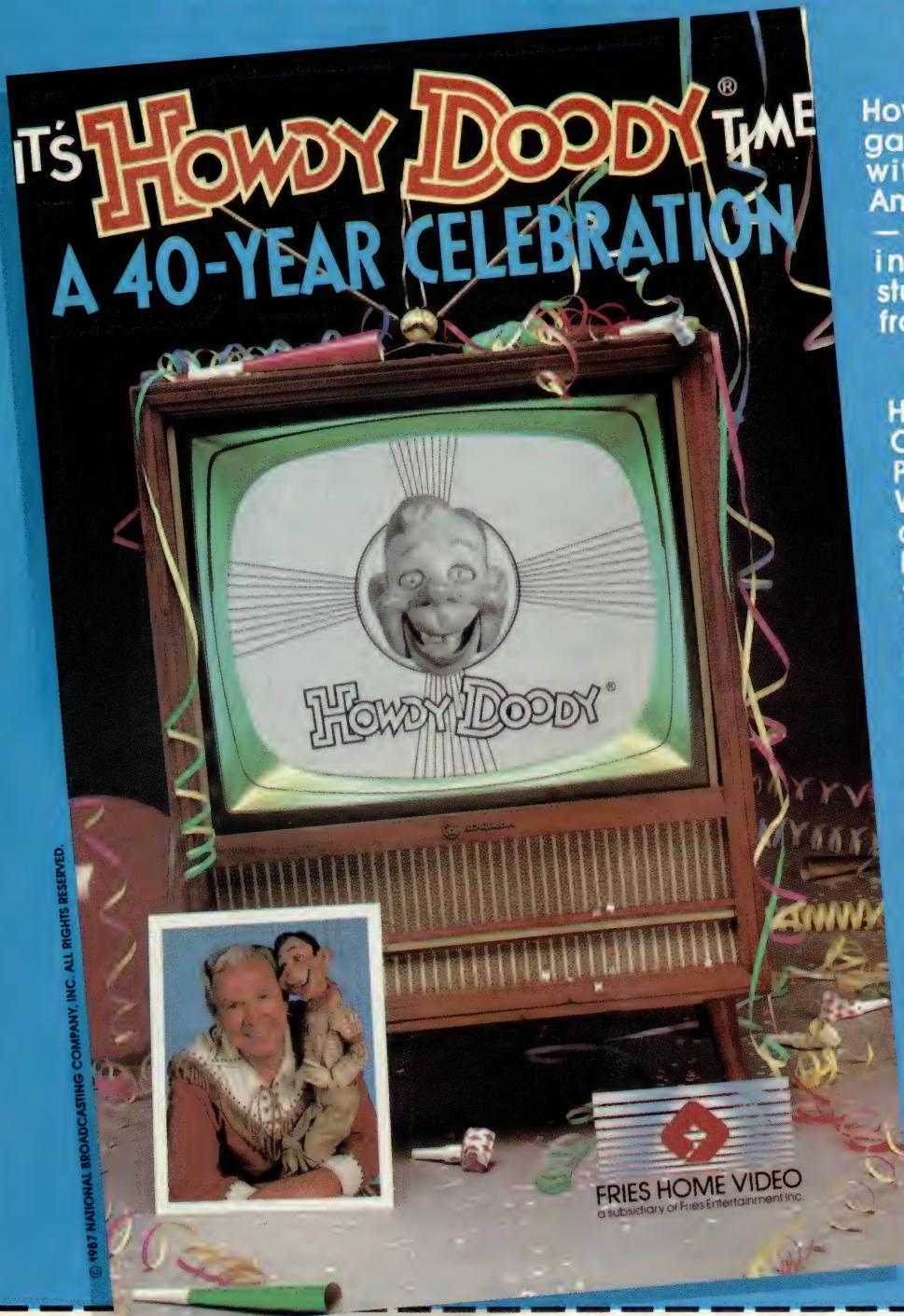
5. DISHONORABLE HONORÉ: Forgers occasionally attempt a rough version of an existing masterwork and try to pass it off as the original artist's preliminary sketch. Such is the case of this fake Honoré Daumier titled *Fatherly Discipline*. Can you spot which is, in one curator's words, the "stiffer and more vapid" fake?

—N.S.

EYE EXAM



"Say Kids . . . What Time Is It?"



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STEIN WAS SUCH A VIRTUOSO FORGER THAT HE COULD WHIP OFF 40 COCTEAU DRAWINGS IN LESS THAN FOUR HOURS.

(CONTINUED FROM PAGE 13)

duce paintings that are in the style of an artist, without borrowing from previous works.

Han van Meegeren, one of the most notorious forgers of this century, painted some pastiches, but his greatest "work" combined scholarship and cunning and came very close to fooling the entire art world. A brilliant Dutch art student, van Meegeren never felt he got the recognition he deserved. Forgery was a way of striking back at the art establishment and, not



UPI/RETNA

Just released from jail, forger David Stein holds a painting in his own style; behind him is his Modigliani knock-off.

incidentally, earning a little money. He saw that art scholars believed that many religious paintings of Vermeer were waiting to be discovered—and he set out to supply them.

To create completely fresh fake Vermeers, van Meegeren studied Vermeer for years, slowly gathering the necessary materials. He obtained authentic canvases by painstakingly rubbing paint off old canvases with pumice stone. Paint was handmade, according to old formulae (van Meegeren invested a good deal of money in the semi-precious stone lapis lazuli, which he ground up to create the proper shade of blue).

Ironically, van Meegeren was nearly detected even before unveiling his forgeries. Since oil paint can take 50 years to dry fully, he experimented with hardening the paint in an oven. Noticing thick black smoke coming out of his house, and fearing that van Meegeren was a bluebeard who burned his victims, his neighbors called the police. But van Meegeren, with the con man's skill essential to a good forger, convinced them that he was conducting scientific

experiments.

By the end of the 1930s, van Meegeren had sold an estimated \$2 million worth of his fake Vermeers, which were praised as important finds and masterpieces. He almost certainly would have avoided detection, and his works forever been credited to Vermeer, had he not been tripped up by a peculiar twist of fate.

One of van Meegeren's eager customers in the 1930s had been Reichsmarschall Hermann Goering, who bought *Woman Taken in Adultery*. After the war, van Meegeren was arrested by Dutch authorities and charged not with forgery but with treason: selling a national treasure to the Nazis.

Facing a possible death sentence for collaboration, van Meegeren offered a defense that stunned the art world. What he had sold Goering, he said, was not a national treasure, but a worthless fake, one of a series of phony Vermeers.

Art experts, who had unwittingly been rejoicing over van Meegeren's work for over a decade, wouldn't admit their mistake—until van Meegeren painted a fake Vermeer in court. Despite this evidence, art experts at the Boymans Museum in Rotterdam refused to believe that van Meegeren's *Christ and the Disciples at Emmaus*, which they had pur-

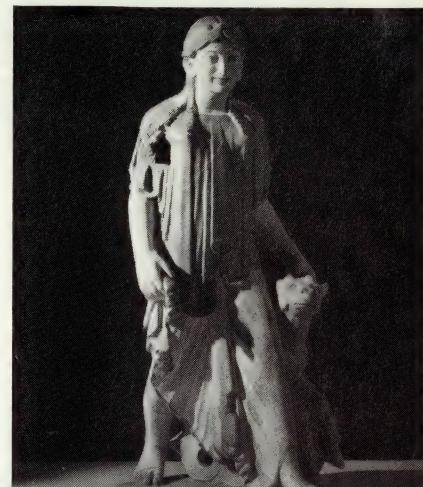


This Greek bronze horse has been declared fake once and authentic twice, causing museum officials considerable embarrassment.

chased eight years before and considered the cornerstone of their collection, was a fake. Incontrovertible proof came when van Meegeren described for them the ghost of a

head from a previous painting, which he had failed to completely scrape away from the canvas. They checked with x-rays. The ghost was there, and *Christ and the Disciples at Emmaus* was relegated to the corridor leading to the bathrooms.

Van Meegeren, who died in 1948, isn't the only forger to paint himself into a corner. In 1974, a quiet, unassuming Mexican named Brígido Lara was arrested and sent to prison for looting priceless pre-Columbian arti-



SAINT LOUIS ART MUSEUM

Once highly regarded, this terra-cotta statue of Diana the Huntress is currently presumed a forgery.

facts and selling them abroad. During his trial he maintained that he was a forger, not a looter, but archaeologists testified otherwise. In jail, he persuaded prison officials to bring clay and tools to his cell, where he made an exact replica of the piece he was convicted of looting. Lara was released, and museums across the world had to shamelessly yank some of the prizes of their pre-Columbian collections ("We were fooled," said Harry S. Parker, director of the Dallas Museum of Art. "It is very embarrassing."). Knowing talent when they saw it, the national Mexican archeological museum then hired Lara to sculpt reproductions.

Although van Meegeren fits the public's romantic notion of a forger, the low-keyed Lara is more typical.

"The forgery of masterpieces gets all the publicity," said William Leisher, director of conservation for the Art Institute. "The really extensive forgery goes on with the lesser-known artists, with contemporary artists."

METROPOLITAN MUSEUM OF ART

THE SAME TECHNOLOGY THAT AIDS THE CURATOR IN DETECTING FAKES ALSO AIDS THE FORGER IN CREATING THEM.

While masterpieces can bring in millions, they are also subject to intensive scrutiny and scholarship. It is far easier to sell many smaller works—prints, drawings, etchings, lithographs—for smaller sums, to people who are usually less exacting and less knowledgeable.

David Stein was a master among such lower-level forgers. Stein's drawings and prints, apparently by Chagall, Picasso, Matisse, Klee, and Miro, inundated the art world like a steady rain during the 1960s, and were eagerly and unquestioningly accepted. In her memoirs, *Three Picassos Before Breakfast*, his wife and accomplice, Anne-Marie Stein, describes Stein's incredible virtuosity as a forger, whether whipping off 40 Cocteau drawings in less than four hours (and selling them the next day at \$100 apiece) or producing four Chagall watercolors on the same day he sold them, the paint barely dry, for \$10,000.

Stein is a good example of how the eagerness of the collector acts as an accomplice to the forger. Stein was sloppy enough so that anyone putting his works to any sort of rigorous test could have discovered their falsity. For example, he often "aged" the paper of his works by soaking them in tea, brewed by Anne-Marie.

Undetected for years, Stein owned galleries in New York and Palm

and supplied them two days later. That seemed suspiciously fast for something to arrive from Paris, especially in those days before Federal Express, and the dealer went to the authorities. After fleeing across the country, Stein was caught and sent to prison. There he continued to paint, first for the benefit of policemen and guards, and then for galleries, which found a great demand for work of the famous forger.

If Stein's blunder seems witless, it



Van Meegeren (seated in the box at left) was convicted of fraud and forging signatures and sentenced to one year in jail.

strated at the 1932 trial of famed van Gogh forger Otto Wacker. The prosecution used x-ray photographs to show how van Gogh built up layers of bold strokes of thick paint over a heavy foundation. The Wacker forgeries, however, concentrated on only the outer surface, ignoring the inner layers.

Of course, the same technology that aids the curator also aids the forger. Christian Gollard, a forger specializing in German old masters, prided himself on his scientific approach to forgery. (An approach that caused a great deal of embarrassment to the Cleveland Museum of Art, when it was discovered that Gollard, and not 16th-century German artist Matthias Grünewald, had painted the portrait of St. Catherine hanging in its galleries.)

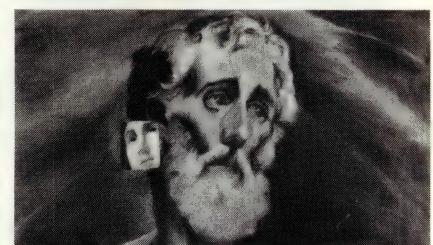
"A good forger will examine x-ray studies of the master's works to see how he built them up," said Gollard. "He will analyze the pigments and produce everything exactly. He will get old, hand spun, hand woven canvas, which is not hard to obtain, or old worm-eaten wood, which is even easier to find . . . the end result will defy almost any authenticity test. It's all a question of how much effort a forger wants—and needs—to make."

For all these cat-and-mouse games between forgers and curators, the is-

pales beside the blunders of other, less sophisticated forgers. George Inness Jr., son of the landscape painter, reports of a man who tried to sell him a painting by Inness' father dated 1896. Inness coldly informed the prospective seller that if it was indeed his father's work, it had been produced from beyond the grave: His father had died in 1894. At about the same time, Camille Pissarro, browsing through a Paris gallery, came across a painting that purportedly was his. He went to the gallery owner and complained. The owner asked how he knew he hadn't painted it. Pissarro pointed out that his name was misspelled in the signature.

In recent years, connoisseurs on the lookout for forgeries have increasingly turned to science for help: ultraviolet light, thermoluminescence, scanning electron microscopy, x-ray fluorescence, mass spectrometry, and other advanced technologies are applied to old icons and watercolors to see how they compare to known originals.

How effective science can be in detecting forgeries was first demon-



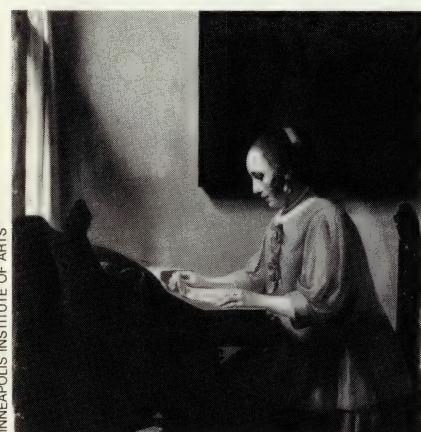
X-rays showed that this El Greco was fake. The window reveals underneath it an 18th-century portrait of St. John.

sue of what is real and what is fake can sometimes be irrelevant. For one couple who had purchased what they thought was a Modigliani portrait, the drawing that hung on their wall was valued art. When informed by a chagrined gallery owner that their drawing had been found to be a forgery, they refused his offer to buy the work back, saying they bought the drawing because it was beautiful and they loved it—no matter who painted it.

Neil Steinberg's last feature for Games was on college pranks.

UPI/BETTMAN

MINNEAPOLIS INSTITUTE OF ARTS



Han van Meegeren's *The Letter* passed for an authentic 17th-century Vermeer, right down to the age cracks in the canvas.

Beach, a Park Avenue apartment, and a Rolls Royce, but he lost everything to a stupid mistake. Asked by a cautious dealer for authentication for a Chagall work, Stein said he had to send to Paris for the documents. He then forged the documents himself,

MINNEAPOLIS INSTITUTE OF ARTS

RANGEFINDER

A Hidden-Image Puzzle ★★

The four rangers galloping across these pages are in such a hurry, they're oblivious to the 27 typically Western objects to be found in the scene. Some are hidden in plain sight and some are partially concealed behind other objects. See how



WOODCUT BY LARS AND LOIS HOKANSON

many of these items you can rustle up: an arrow, a boot, a bow, a Bowie knife, a buffalo, a bullet, a cactus, a canoe, a Conestoga wagon, a coyote, a derringer, a guitar, a hangman's noose, a horseshoe, an Indian headdress, a jackrabbit,

a peace pipe, a rifle, a sheriff's star, a six-gun, a spur, a tepee, Texas, a tomahawk, a totem pole, a vulture, and a wagon wheel. Luckily for you and the rangers, there are no outlaws lurking here.

ANSWERS, PAGE 60



FOOD GLORIOUS FOOD

★☆

A CULINARY TRIVIA QUIZ

by Curtis Slepian

Famished for a food quiz? This smorgasbord of questions should satisfy your appetite. We've served up the subject in many aspects (but no aspics)—from gourmet to junk. You're invited to nosh buffet-style, or sit down and devour the entire feast at once. The material won't seem so tough if you chew over it for a while.

ANSWERS, PAGE 54

Eating In

1. There's nothing like a home cooked meal (depending on the home, of course). Though many amateur chefs improvise in the kitchen, most still depend on cook books. Which is the best-selling American cookbook of all time?

- a) *The Joy of Cooking*
- b) *The Fannie Farmer Cookbook*
- c) *The Betty Crocker Cookbook*
- d) Julia Childs' *Mastering the Art of French Cooking*

2. The recipe for success here is to guess what familiar food is made from each set of ingredients.

- a) 4 packages active dry yeast
1 quart tepid water
12 cups whole-wheat flour
2 Tbs. sugar
5 tsp. salt
2 Tbs. shortening
- b) 1/2 head white cabbage, finely shredded
1 large carrot, coarsely grated
5 Tbs. salad dressing or mayonnaise
1 tsp. sugar
salt/pepper
few drops of vinegar or lemon juice
- c) 1/4 cup short-grain rice
2 Tbs. sugar
2 cups milk
butter
1 tsp. ground cinnamon
1 tsp. vanilla
- 3. Cookbooks aren't the only place one

finds recipes. Which literary work contains usable recipes?

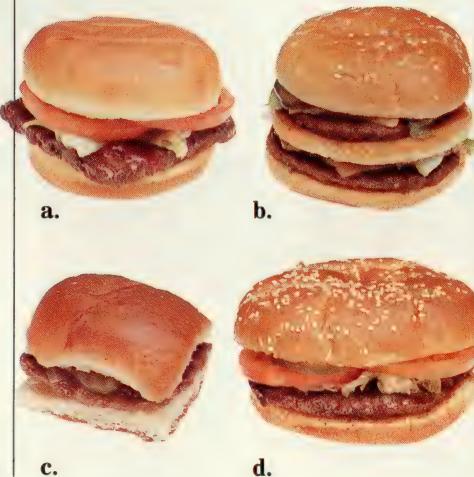
- a) *Naked Lunch* by William Burroughs
- b) *Heartburn* by Nora Ephron
- c) *A Moveable Feast* by Ernest Hemingway
- d) *Goodbye Mr. Chips* by James Hilton

Eating Out

4. Ballpark fare for hungry baseball fans is no longer limited to peanuts and Cracker Jacks. Match the regional specialties (a-e) to the baseball teams (1-5) that serve them at their home parks.

a) Crab cakes	1. New York Mets
b) Bratwurst	2. San Francisco Giants
c) Knish	3. Texas Rangers
d) Alameda wine	4. Baltimore Orioles
e) Nachos	5. Milwaukee Brewers

5. Fast food is as American as Mrs. Smith's frozen apple pie. In this lack-of-taste-test, can you tell which is a McDonald's Big Mac, a Burger King Whopper, a Wendy's Single, and a White Castle?



6. Any food fanatic worth his imported sea salt knows the latest culinary fads. In the last 15 years, there have been three such major trends. Can you define each?

Nouvelle cuisine

- a) Lighter, fresher, more inventive food artfully presented
- b) Food quickly prepared with the newest, most high-tech kitchen equipment

Cuisine minceur

- a) The French notion that all foods should be minced for easier digestion
- b) Low-calorie food

Grazing

- a) A menu for the health-conscious that serves a series of vegetarian dishes high in roughage
- b) A menu that includes many smaller "tasting" courses, instead of a few large courses

7. Several years ago, a Gallup poll listed 34 food items and asked people which they preferred to eat at a salad bar. Can you arrange these eight foods from the list in their correct order of preference?

- a) Raw green beans
- b) Iceberg lettuce
- c) Coleslaw
- d) Hard-boiled eggs
- e) Tomato
- f) Bacon bits
- g) Fresh fruit
- h) Cucumbers

8. They don't throw banquets like they used to. Which one of the following dinners never took place?

- a) Nineteenth-century gourmand Grimod de la Reynière held a dinner with a funeral theme: Invitations read like obituaries, the centerpiece of the table was a catafalque, and a coffin stood behind each diner's seat.

b) During a four-day eating marathon held by the Duke of Burgundy in the 15th century, 28 musicians performed inside a giant pie.

c) Despite a local taboo against eating horsemeat, a London gentleman held an equine feast in 1864. Its menu included horse consommé, terrine of horse liver, roast fillet of Pegasus, and a 280-pound baron of horse.

d) In 1833, President Andrew Jackson had a banquet catered by the Iroquois Indians; the spread included 20,000 pieces of fried Buffalo chicken wings, 3,000 ears of corn-on-the-cob, and 5,000 sticky buns.

Weird And Wonderful Foods

9. First it was the mango, then the kiwi. Thanks to jet transport, more foods than ever before are available to jaded palates. Can you match the exotic fruits (a-f) to their names (1-6)?

1. Carambola
2. Cactus pear
3. Cherimoya
4. Kumquat
5. Pomelo
6. Papaya



a.

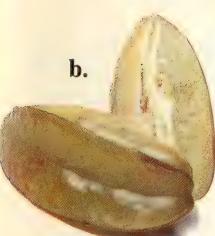


d.



e.

b.



10. These tidbits are tastier than they sound. Be adventurous and give 'em a try ... match the food (a-j) to its definition (1-10).

a) Haggis	f) Tabbouleh
b) Gnocchi	g) Blintz
c) Jerky	h) Vichyssoise
d) Cornichons	i) Scrapple
e) Hush puppies	j) Flan

1. Midget pickled cucumbers
2. Crepe rolled around a cheese filling
3. Breakfast dish made with scraps of leftover pork
4. Leek and potato soup
5. Pasta dumpling
6. Salad made of steamed cracked wheat
7. Air-dried beef
8. Sausage made of animal innards in cow guts
9. Deep-fried corn meal balls
10. Custard dessert

Where In The World?

11. While Europe has sent to the Americas such classics as French fries and pizza, it's not a one-way street. Which of these foods wasn't introduced to the Old World by the New?

a) Eggplant	d) Potato
b) Vanilla	e) Tomato
c) Turkey	f) Bell pepper

12. Viva the world's culinary Thomas Alva Edisons! Match each food (a-e) to the country (1-5) in which it was invented.

a) Croissant	1. China
b) Doughnut	2. United States
c) Ice cream cone	3. Italy
d) Spaghetti	4. Austria
e) Pretzel	5. Holland

You Are What You Eat

13. For every book about the joys of eating, there's a killjoy volume on how to stop eating. Which of these diets has never been proposed in print?

- a) *The Eat-All-You-Want Diet*
- b) *The Sex Diet*
- c) *The Drinking Man's Diet*
- d) *The Couch Potato Diet*

14. No wonder Nutrasweet is so popular. The average American eats about how many pounds of sugar a year?

- a) 10
- b) 55
- c) 128
- d) 175

15. Which food contains the highest percentage of fat?

a) Pancakes	d) Devil's-food cake
b) Avocados	and chocolate icing
c) Buttermilk	e) Flank steak

16. Recent findings show that some foods reduce the amount of cholesterol in the blood. Which of these won't?

- a) Oats
- b) Salmon
- c) Bananas
- d) Olive oil

17. Which of the following has more calories?

- a) A cup of pasta cooked al dente or a cup cooked tender?
- b) The white or the yolk of an egg?
- c) 10 pitted dates or 10 unpitted dates?

Gluttons For Punishment

In Roman times, Epicureans gave gluttony a bad name. But when it comes to excess, the 20th century holds its own. According to *The Guinness Book of World Records* ...

18. Per pound, what is the most expensive foodstuff in the world?

- a) Black Perigord truffles
- b) Spanish saffron
- c) Beluga caviar
- d) Chinese wild ginseng



19. In 1983, champion eater Peter Dowdeswell of England ate 100 yards of spaghetti in how many seconds?

- a) 5.1
- b) 21.7
- c) 61
- d) 122.4

20. Which is the all-time best-selling cookie?

- a) Mallomars
- b) Chips Ahoy!
- c) Oreos
- d) Fig Newtons



Final Course

21. This quiz covers food from soup to nuts. Speaking of which, here's the question about nuts: Only one of the following is a true nut. Which one?

- a) Pecan
- b) Brazil nut
- c) Peanut
- d) Almond



TRAINING EXERCISE

A Timetable Maze by R. Wayne Schmittberger

★★

The night before she was to leave for her dream vacation around the world, Sally Forth, at home in Alphaville, couldn't find the passport she had picked up that afternoon in the city of Hope Springs. As she was desperately looking through her briefcase for the fourth time, the phone rang. Her passport was at the Lost & Found department at the Hope Springs railroad station.

The following morning, a few minutes before 7:00, Sally arrives at the Alphaville train station. In order to catch her flight to Europe from the Alphaville airport, she has to make

the round trip to Hope Springs and back before noon. The timetables for eastbound and westbound travel between Alphaville and Hope Springs are shown below. Each horizontal row in each of the two timetables represents a different train. Dashes appear at stations where the train does not stop. A series of Xs indicates the end of the line. For example, the 7:00 train from Alphaville stops only at Fortuna, which is the end of its route; while the 7:10 from Alphaville stops at every station, arriving at Hope Springs at noon.

Sally can wait at stations, transfer

from one train to another, and change directions as often as she wishes. For example, she might take an eastbound train part of the way to Hope Springs, then switch to a westbound train in order to catch a faster eastbound train at another station.

Assume that all the trains are running on time, that transferring to another train takes fewer than four minutes, and that picking up the passport at Lost & Found takes only a minute. Can you find the one way that Sally can make it from Alphaville to Hope Springs and back before noon?

ANSWER, PAGE 58

EASTBOUND (times of departure)								WESTBOUND (times of departure)				All times are A.M. unless shown in boldface.			
All times are A.M. unless shown in boldface.								All times are A.M. unless shown in boldface.				All times are A.M. unless shown in boldface.			
Alphaville	Betaville	Clarksville	Discovery	Ephemeral	Fortuna	Gamspor	Hope Springs	Hope Springs	Gamspor	Fortuna	Ephemeral	Discovery	Clarksville	Betaville	Alphaville
7:00	---	---	---	---	8:10	XXXX	XXXX	7:00	---	7:20	7:40	8:00	8:10	---	9:00
7:10	7:40	8:30	9:10	10:00	10:30	11:20	12:00	7:10	7:30	8:00	8:20	9:00	9:30	10:10	10:50
XXXX	7:20	7:50	8:10	---	8:40	XXXX	XXXX	7:50	8:20	8:50	9:10	---	9:40	---	10:20
7:20	---	---	7:50	---	8:30	9:00	9:30	8:20	8:40	---	---	---	10:00	XXXX	XXXX
XXXX	7:30	8:20	---	---	---	8:50	9:00	8:50	---	---	---	9:40	---	---	11:10
7:40	8:10	---	8:50	---	9:20	9:40	10:00	9:10	---	---	---	9:50	XXXX	XXXX	XXXX
XXXX	7:50	---	8:10	---	8:40	XXXX	XXXX	9:10	---	---	---	10:05	XXXX	XXXX	XXXX
7:50	---	---	---	---	8:30	9:00	9:20	9:20	---	---	9:40	10:00	---	10:30	XXXX
8:30	9:00	---	---	---	9:30	9:50	10:20	10:20	9:50	10:10	10:30	10:50	---	11:20	XXXX
XXXX	XXXX	8:40	---	---	---	9:10	XXXX	---	---	---	---	---	---	10:40	XXXX
9:30	10:00	---	10:30	---	11:00	---	11:30	10:20	---	10:50	11:10	11:30	11:50	12:05	---
10:10	10:50	11:30	---	12:00	XXXX	XXXX	XXXX	---	---	---	---	11:20	---	11:50	---

EASTBOUND (times of departure)								WESTBOUND (times of departure)				All times are A.M. unless shown in boldface.			
All times are A.M. unless shown in boldface.								All times are A.M. unless shown in boldface.				All times are A.M. unless shown in boldface.			
Hope Springs	Gamspor	Fortuna	Ephemeral	Discovery	Clarksville	Betaville	Alphaville	Hope Springs	Gamspor	Fortuna	Ephemeral	Discovery	Clarksville	Betaville	Alphaville
7:00	---	7:20	7:40	8:00	8:10	---	9:00	7:00	---	7:20	7:40	8:00	8:10	---	9:00
7:10	7:40	8:00	8:20	9:00	9:30	10:10	10:50	7:10	7:30	8:00	8:20	9:00	9:30	10:10	10:50
7:50	8:20	8:50	9:10	9:50	10:20	11:00	11:40	7:50	8:20	8:50	9:10	9:40	10:00	10:20	10:50
8:20	8:40	9:00	9:20	9:50	10:20	11:00	11:40	8:20	8:40	9:00	9:20	9:40	10:00	10:20	10:50
8:50	9:10	9:30	9:50	10:10	10:50	11:30	12:05	8:50	---	9:10	9:30	9:50	10:10	10:50	11:10
9:10	9:30	9:50	10:10	10:30	11:00	11:30	12:05	9:10	---	9:30	9:50	10:10	10:30	11:00	11:10
9:15	9:30	9:50	10:10	10:30	11:00	11:30	12:05	9:15	---	9:30	9:50	10:10	10:30	11:00	11:10
9:20	9:40	10:00	10:20	10:50	11:20	12:00	12:45	9:20	---	9:40	10:00	10:20	10:50	11:20	12:00
9:50	10:10	10:30	10:50	11:30	12:00	12:45	13:30	9:50	---	10:10	10:30	11:30	12:00	12:45	13:30
10:20	---	10:50	11:10	11:30	12:00	12:45	13:30	10:20	---	10:50	11:10	11:30	12:00	12:45	13:30
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

PENCILWISE



MARCHING BANDS ★★

The words in this puzzle march around the grid in two ways. In one formation ("Rows"), words march across—two words for each numbered line, reading consecutively from left to right. The dividing point between these answers is for you to determine, except in row 7, where the words are separated by a black square. In the second formation ("Bands"), words march around each of the six shaded and unshaded bands, starting at the lettered squares (A, B, C, D, E, and F) and proceeding in a clockwise direction, one word after another.

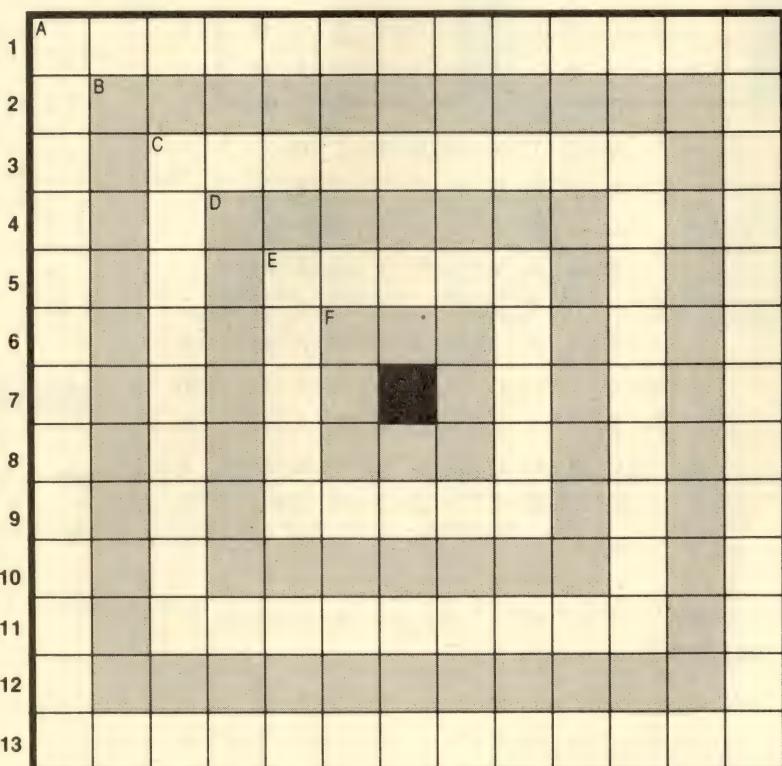
For example, Band "A," when filled, will contain seven consecutive words (a through g) starting in square "A" and reading around the perimeter of the grid. Band "B" will contain a series of six words (a through f) starting in square "B." Again, the dividing point between these answers is for you to determine. All clues are given in order. When the puzzle is completed, each square in the grid will have been used once in a Row word and once in a Band word.

ANSWER, PAGE 58

ROWS

- 1 a Breather
b Downpour
- 2 a Poet Khayyam
b Lopsidedness
- 3 a Old photo tint
b Aristocrat
- 4 a Murdered
b Medical specialist
- 5 a Competent
b Declaration of intent
- 6 a Braque's art school
b Bar order
- 7 a Showy flowers
b Modifies
- 8 a Household bird
b DJ's platters
- 9 a Belgrade resident
b Capone, in *The Untouchables*
- 10 a Sewing machine pedal
b Filet _____

BANDS



- 11 a Nymph chaser
b Alice or Flo
- 12 a Directed at the center
b Be half-asleep
- 13 a Whirling
b Pastoral poem

BANDS

- A a Curbs
b Persecuting ones
c Romulus and Remus, to Mars
d ____ May, of *The Beverly Hillbillies*
e High muck-a-muck
f Central ideas
g Guernica painter
- B a Xylophone's cousin
b Ruling family of England, 1399-1461
c Pencilwise puzzles
d Sketched
e Scope
f 100 kopecks
- C a Nero's instrument
b Birthmarks
c Tendency to stay put
d Ironic
e Worse than bad
- D a Basketball season
b Bringing home
c One of the Marcoses
d Musical Count
- E a Cylinders-to-exhaust connection
b Author Ferber
c Turner and Eisenhower
- F a Sea cows

A Prize-Winning Word Search

The blue ribbon below (well, it *would be* blue if we used color in this section) contains the names of 40 things for which you might win a first prize at the State Fair. As always, an answer

may be hidden horizontally, vertically, or diagonally, but always in a straight line. Solvers who can find all 40 earn a blue ribbon in Word Search Solving.

ANSWER, PAGE 60

APPLES	I Y B N P	METALWORKING
BASKETRY	B A T T A H L E E O R	PARADE FLOATS
BREADS	B U B S S I N P E S A S S	PEACHES
CAKES	W H A R K T G W E A V T C E R	PHOTOGRAPHY
CALF ROPING	T H H E E G A N M E J R E I H N L	PICKLES
CARPENTRY	A W O T A G N I L L A C G O H E O	PIE EATING
CATTLE	R S R I D N L T O W M V V O E I S	PIES
CHICKENS	T I Y S S S E C A B V S E I R T T H E	POTTERY
CORN	S A E E M E I O E N T A H E N S O S T	PUMPKINS
CROCHETING	R U K S Q U A R E D A N C I N G G G H G	QUILTING
EMBROIDERY	L E R H F O R N I C R D P O G N O W P	SHEEP SHEARING
FIDDLING	F E U O R I O R P A T J L H N I E S C	SPELLING BEE
FLOWER	L T E E B G N I L L E P S I L R A	SQUARE DANCING
ARRANGEMENT	A O S S E I P Y F M L G M T D B L	STRAWBERRIES
GLASS BLOWING	E P W F O R O R R P L N E L D L F	TOMATOES
HOG CALLING	L P E E T T E O T I I H I I I	TRACTOR PULLING
HORSESHOES	S L R B T D P E E R M U F	TURKEYS
JAMS AND	Y E A E I I O S A U Q	WATERCOLORS
JELLIES	W S R O N Y C E R	WATERMELONS
KNITTING	M O T Y R G R T H O R	WEAVING
MACRAME	E L Y O B A T N S Y O	WHITTLING
	U R S E M L N S P F F	
	G C S E E O E G E M R	
	W L H A E E L P T E H E R	
	T A H E T K P R T H M T R	
	W S I Z C T A A E S R E B	
	H S T I E A L C R A G I N	
	B I B P A B W O E C N N O R T	
	T T L H R O T O T N E I T H E	
	V T O S R O L O C R E T A W G	
	I L W K C T R F M H O E R I N	
	S H I I E W P H E A I H O C I A	
	N G N N O U U I T D T C A L T O	
	N G G G L E M F R O A O K M T T	
	H E G L A M P E O F L R E E I I	
	F E B I Y J O K H N C A S N G O	
	D F N R E Y I S A X P K S E	
	E G D N I T H R	
	U S D Y	

WATER SUPPLY ★

BY SUSAN GELFAND

ACROSS

1 Fix a skirt or suit
 6 El ___, Texas
 10 Speaker's platform
 14 Strainer
 15 Tel ___, Israel
 16 Indian of Peru
 17 Modernize
 19 Noted English school
 20 Ending with ballad or pamphlet
 21 College girl
 22 ___ Bull (DeNiro film)
 24 John Deere vehicle
 26 Norway's capital
 27 Above, to a poet
 28 Guided a ship
 31 Oscar or Emmy
 34 Computer info
 35 "What's the big ___?"
 37 Lion's abode
 38 Mosquito stings
 39 Sell
 40 Lowest engine speed
 41 Declare
 42 Ladies' partners
 43 Attempted, as a school paper?
 45 Knight's title
 46 Spur
 47 Story with a moral
 51 Lie next to
 54 Operatic solo
 55 ___ Vegas, Nevada
 56 Without fat, as meat
 57 Surroundings
 60 Watch over

61 Person "twixt 12 and 20"

62 Barbed wire or cyclone, e.g.

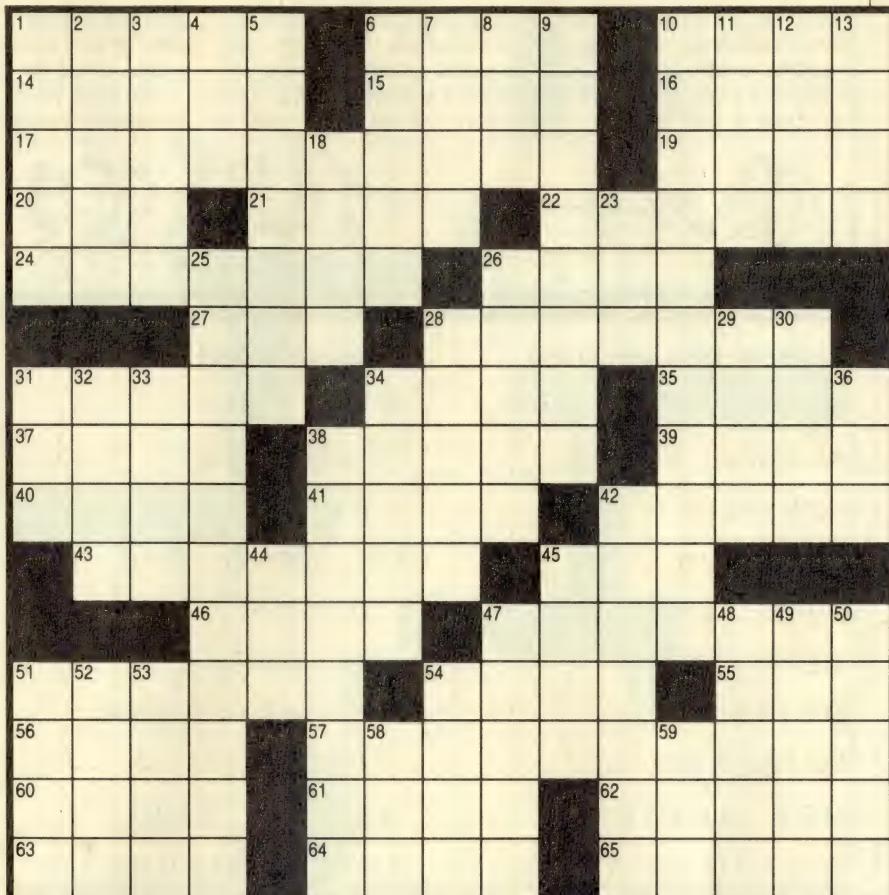
63 Miner's metals

64 Sight for ___ eyes

65 Church or tribal official

DOWN

1 Balance sheet entry
 2 Soft drink bottle capacity
 3 Word with cotta, firma, or incognita
 4 New Year's ___
 5 Responded
 6 Not as bright
 7 Eager
 8 Break a Commandment
 9 Abroad
 10 Renowned Mexican muralist: 2 wds.
 11 Totally opposed
 12 Image
 13 Crooned
 18 Boggy area
 23 Pub offering
 25 Writes to a pen pal
 26 Frisky water animal
 28 Satisfied
 29 Adam and Eve's home
 30 Parking lot mishap
 31 Boxing's "Greatest"
 32 Walk through water
 33 "Good for what ___ ye"



ANSWER, PAGE 58

34 Plummeted
 36 Classifieds
 38 Weapons used in close combat
 42 Tall animal at the zoo
 44 Onassis's nickname
 45 Go yachting
 47 Trim a rosebush
 48 Kitchen mixer setting
 49 ___ corporal (Marine rank)
 50 Fragrant compound
 51 Palo ___, California
 52 Antlered critter
 53 Tarzan's lady
 54 Ripener
 58 New: Prefix
 59 Actor Ferrer or Gibson

MUM'S THE WORD ★★

BY BURT HOCHBERG

Each answer to the clues below includes a word for the girl that married dear old dad, whether she's called MOTHER, MOMMY, or some variant thereof. For example, the clue "Mar-

jorie Main movie role" would lead to MA KETTLE, while "May 8, 1988" would be MOTHER'S DAY. (We tossed that in as a free reminder.)

ANSWERS, PAGE 58

1. "Author" of many nursery rhymes _____
2. Al Jolson hit song _____
3. Magical Cinderella character _____
4. Chief nun _____
5. Joan Crawford bio _____
6. Popular painting's familiar name _____
7. Cass Elliot's group _____
8. Main vein of ore _____
9. "It's not nice to fool" her _____
10. Michael Keaton-Teri Garr movie _____
11. Lustrous material from shells _____
12. 1944 John Van Druten play _____
13. Gangster matriarch _____
14. Noted classical cellist _____

Below are six lists of related words and phrases that have been translated into simple cipher alphabets. The letter substitutions remain constant within any one group of words (for instance, if v represents G in one word, it will represent G in all the words in that list), but change from one list to the next. A

tip to new solvers: Start by thinking of answers that might fit one of the categories; then see if any of the enciphered words in the list have that same letter pattern.

The sixth list has been left untitled. Solve the code in order to determine what the items have in common. **ANSWERS, PAGE 54**

**1. INDIAN ITEMS**

Example: Bow and arrow

MXDMGI

AVGWV AXAV

IZWWGTXJT

SVGYRVK

RVGEEKVTT

YZYVI AZHV

MGIABI

YZIGRGMQ

MGK AGXJY

EVVKQTQXJ AGJYT

AGAZZTV

**2. GAME SHOWS**

Example: Wheel of Fortune

WRKXSTIH!

PKOOHMKKI

ALGSTRA

UK UROO UPR

UTGUP

XSAAMKTI

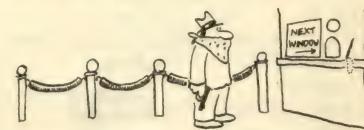
UPR XTNZR NA

TNEPU

QSBNOH QRGI

ZKYZRYUTSUNKY

WKDRT'A MNOI

**3. AT A BANK**

Example: Withdrawal slip

WJQBFWQYN QLSSLO

HWML ZLRBHYQ

XBA

YUQLOLHQ OWQLH

MBOLYVU LANKWUVL

SBWU YUDJYOYLH

NKLNTYUV WNNBJUQ

NKOYHQFWH NSJX

HWCYUVH XBUZ

XBJUNLZ NKLNT

HLNJOYQG NWFLOW

**4. ODD COMIC BOOK TITLES**

Example: Atomic Mouse

VGL VWSXUAA

DSHSX DKXGTWKDV

HSSB-PJS

HSIDHPHUKBV

GUF TPXXKHV

HSVVS HWS

HLDUVH

VOPRS JUXO TKIUTV

NKL TKIIPBFKV

XKTG PBF XKOOK

AXUVGL APNOSV

**5. TURNING 50 THIS YEAR**

Example: Elliot Gould

EYPCOEK QLRNOBYR

PWRRYL JEORPYI

EYPC XYVVXL

NWCRRT HOTPCLPM

ELD ELLK

NWR FWYZCV

IAHLEBOR

HLVLE NLRRYRZI

EAKWXJ RAEITLF

ZWEKWR

XYZCVJWWV

**6. MYSTERY LIST**

What do they have in common?

PKUU PROKF

LGZXUTZLKF'X

WTXOEU

OTK LRVK

AEZAUGXTEZX

CRLLRFS BRAK

PTZZTZL KZOFQ

XOFRPX

SKKW JFKROC

AFEPS

AEVTA XOFTW

GETTING THINGS DONE ★★

BY JOE CLONICK

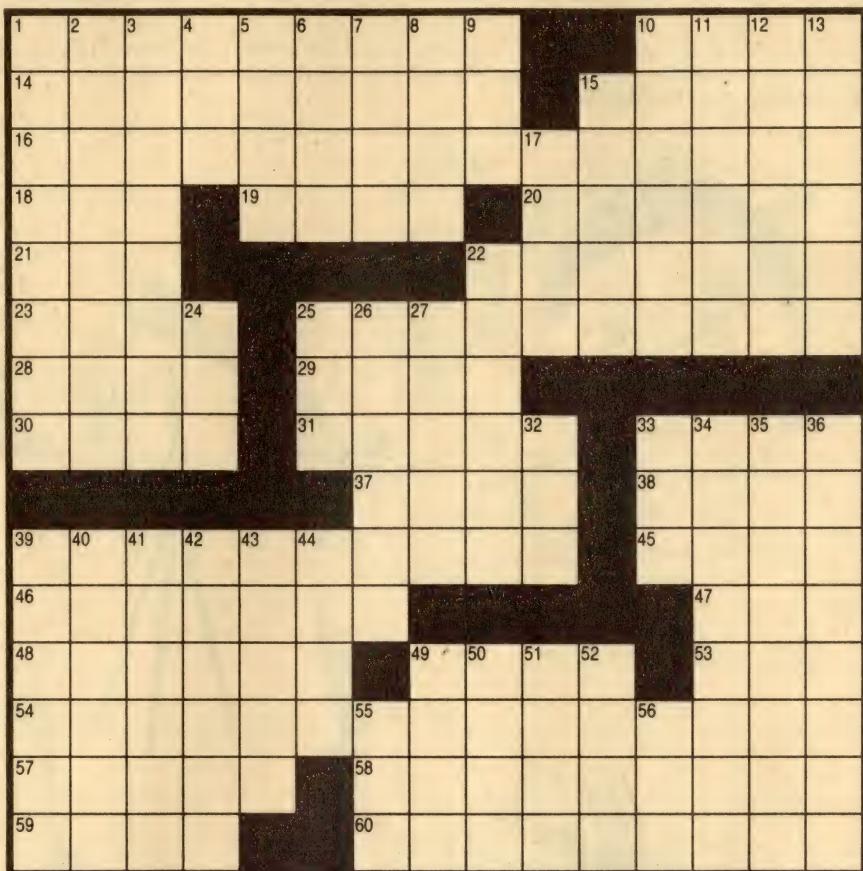
ACROSS

1 PBS public affairs show
 10 Lobster eaters' attire
 14 On borrowed funds, as a buyout
 15 Playwright Jean
 16 Somehow: 4 wds.
 18 "___ the ramparts . . ."
 19 Three feet
 20 Not live: 2 wds.
 21 Football linemen: Abbr.
 22 Part of L.A.
 23 Postcards, e.g.
 25 Guilty pleaders: Var.
 28 Woodworking tool
 29 Plaintiff
 30 Requirement
 31 In position, as a sail
 33 Butter substitute
 37 Somewhat, in music
 38 "To Sir With Love" singer
 39 Three-sided
 45 Helper: Abbr.
 46 Be rampant: 2 wds.
 47 ___ for tat
 48 L.A. neighborhood
 49 Cry of achievement
 53 Genetic material
 54 Somehow: 5 wds.
 57 Loamy soil
 58 Corporate bond
 59 Within: Prefix

60 Ladies with crystal balls

DOWN

1 Department store worker
 2 Outlaw
 3 Larger than normal
 4 Freshly minted
 5 Breakfast-in-bed "table"
 6 ___ wager (bet): 2 wds.
 7 Prince ___ (Borodin opera)
 8 Twerp
 9 Author LeShan
 10 Actresses Midler and Davis
 11 Take a deep breath
 12 Electronic summoner
 13 Ulcer cause, reportedly
 15 Disapproves of, à la Chuck Barris
 17 *And Then There Were ___* (Christie whodunit)
 22 "The Dark Continent"
 24 Conducted
 25 "Stars and Bars" init.
 26 Production yield
 27 Alcohol used in perfume
 32 ___ favor
 33 Ending for pay or gran



ANSWER, PAGE 58

51 Fabric colorer
 52 Teen woe
 55 ___ bodkins!
 56 Stock market privileges: Abbr.

SHORT CHANGES ★★

BY DON WULFFSON

Add one letter to each word below—at the front, at the end, or somewhere inside—so that each numbered pair becomes

two words of opposite meanings. For example, adding P and L to PLUM and SENDER in #1 makes PLUMP and SLENDER.

ANSWERS, PAGE 58

1. PLUM	SENDER	<u>Plump, Slender</u>	9. ORATE	PLAN	
2. VIOLET	CAM		10. SOLD	RAISE	
3. FLAT	SIN		11. COMPETE	LACING	
4. BONY	WHIT		12. MOON	GENUS	
5. MARRED	SINGE		13. PLAID	STORY	
6. RAID	SOW		14. TACT	SATED	
7. KID	MAN		15. BUGLER	EXERT	
8. STALE	SHAY		16. UNIFORMED	LEANED	

TWISTED TELEVISION ★★

Our local paper's TV listings are riddled with typos. Every time we sit down to see what's on the tube, we find shows like LITTLE MOUSE ON THE PRAIRIE, LUST IN SPACE, and AMERICAN HANDSTAND. If you ask us, the images these titles conjure up are more fun than the real thing.

We've illustrated some of those misprinted titles below. Under each picture, fill in the blanks with the name of a familiar TV show, past or present—with exactly one of its letters changed. How many can you identify?

ANSWERS, PAGE 58



1. _____



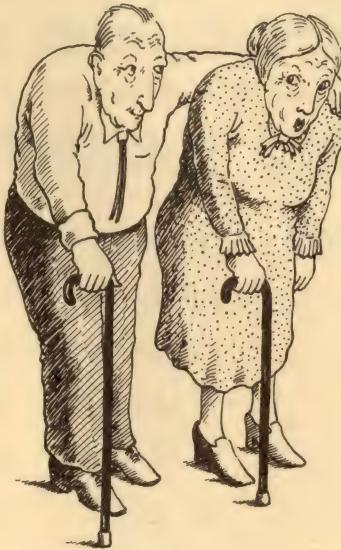
2. _____



3. _____



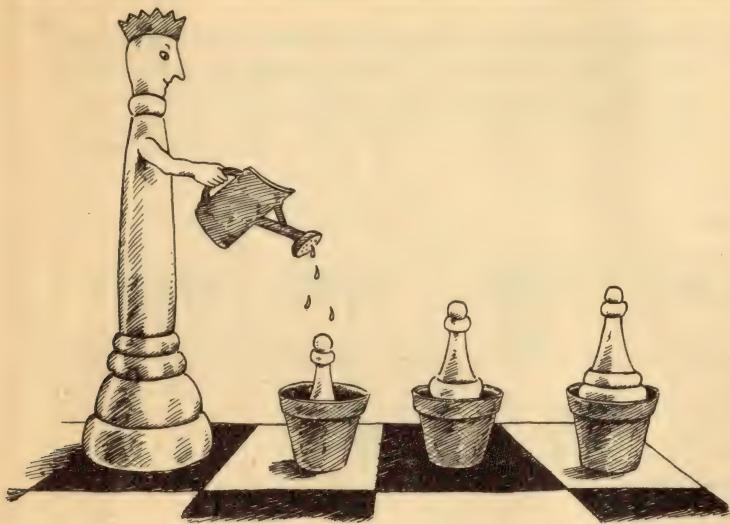
4. _____



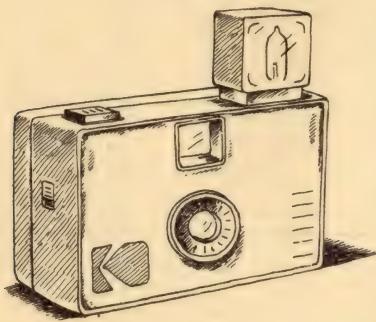
5. _____



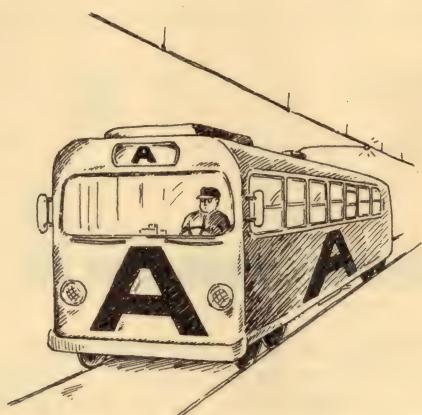
6. _____



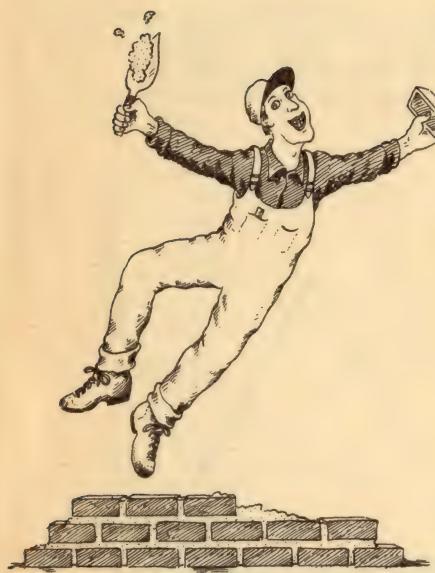
7. -----



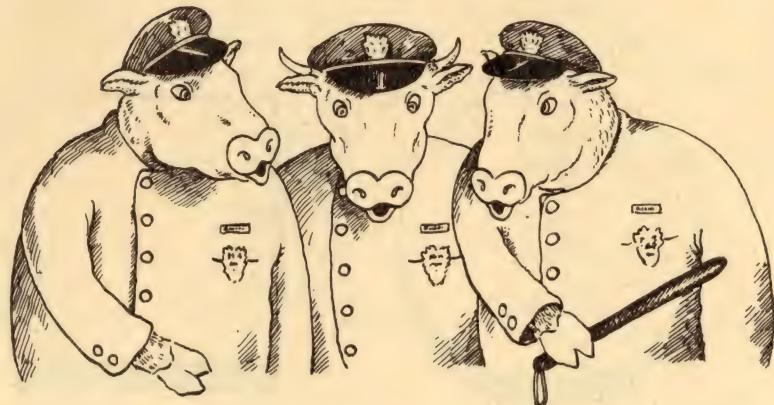
8. -----



9. -----



10. -----



11. -----

12. -----

TITLE BOUT ★★

BY LOUIS PHILLIPS

Can you think of a song, a movie, a novel, and a TV show whose names contain each of the six words in the top row of the grid? For example, given the word GOOD, you could answer "Good Vibrations," *The Good, the Bad, and the Ugly*, *The Good Earth*, and *Good Times*. (Other answers are also

possible.) Note: No title may be used in more than one category. *The Good Earth*, for example, could count as either a novel or a movie, but not both. Getting 12 or more answers is good; 18 is excellent. Only gold-medal "titlists" will get all 24.

ANSWERS, PAGE 56

	BLACK	FLYING	ISLAND	STREET	THREE	VALLEY
Song						
Movie						
Novel						
TV Show						

ALTERNATING CURRENCY ★★

BY KEITH RINGKAMP

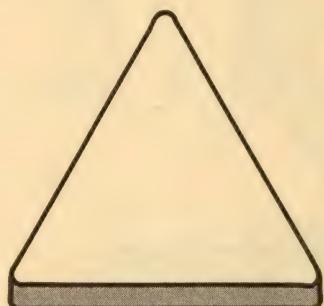
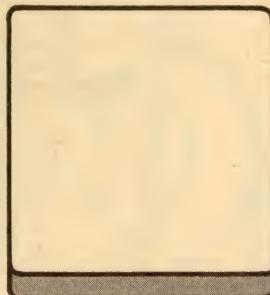
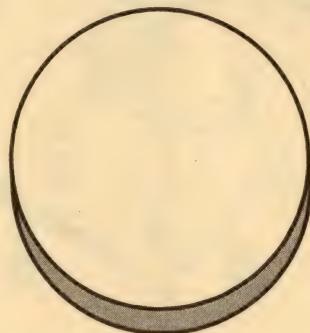
The distant kingdom of Azalia has recently issued three new coins. Each coin has a different value (17, 36, or 55 pengos), a different color (olive green, maroon, or turquoise), and a different shape.

If you randomly select a coin, it will be either olive green, a

circle, or the 17-pengo piece. If you randomly select another coin, it will be either turquoise, a triangle, or the 36-pengo. The triangular coin is worth more than the square coin.

What color and what shape are the different values of coins?

ANSWER, PAGE 56



FOUR-IN-ONE CROSSWORD ★★

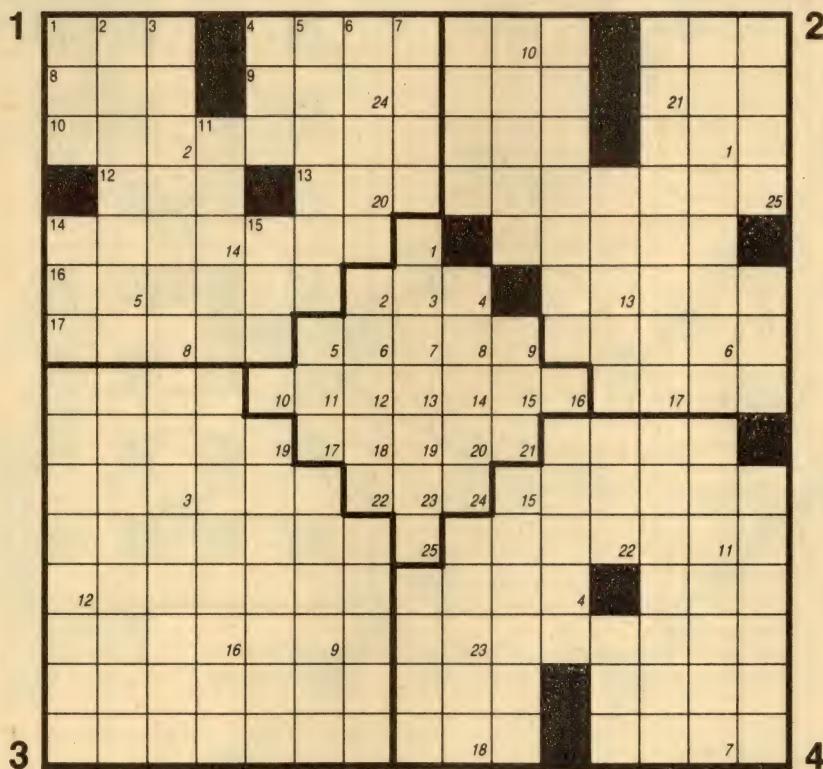
BY WILL SHORTZ

This crossword is really four crosswords in one, each part to be solved in a different way. Part 1, in the upper left corner of the diagram, is a regular crossword, to be worked in the usual manner. Part 2, in the upper right, is a fill-in. (Enter the 19 given words into the diagram across and down to complete the corner.) Part 3, in the lower left, is a diagramless. (Solve as a regular crossword, but adding the numbers and black

squares in the grid as you go.) And Part 4 is a crossword with the clues in scrambled order.

Note that some of the squares in the diagram have numbers in the lower right. When all four parts of the puzzle are completed, transfer the letters in these squares to the correspondingly numbered squares in the center. The result, reading in order from 1 to 25, will spell a quotation by Goethe.

ANSWER, PAGE 54



PART 1: Crossword

ACROSS

- 1 Witch
- 4 Taxis
- 8 Baseball stat
- 9 D-Day beach
- 10 A lot of vitamins
- 12 TV alien
- 13 Pot's top
- 14 Not flexible
- 16 Writing no-nos
- 17 Insurance dealer

DOWN

- 1 Edge of fashion
- 2 Floor cover: 2 wds.
- 3 It's enough to make you laugh: 2 wds.
- 4 A good chew
- 5 Coral islands
- 6 Jazz's Count
- 7 Backyard building
- 11 River of Scotland
- 14 This is a holdup!
- 15 Powerful sticks

PART 2: Fill-In

ACROSS

- ASP
- BAD
- ELS
- HAS
- MAB
- OWE
- THO
- ANNS
- BOMB
- POSY
- AWARD
- DRANK
- KNIFE
- SNAIL
- VANNA
- BRAVERY
- DEBARKS
- ATHENIAN
- SHARK FIN

PART 3: Diagramless

ACROSS

- 1 KGB worker
- 4 Golfer's aids
- 6 Pour water on
- 8 Gossip
- 9 Galley equipment
- 11 Letter after zeta
- 12 "Made in the ____"
- 13 Second coming
- 15 Holiday bird
- 16 Uncle Sam's "want"

DOWN

- 1 General's plan
- 2 Tot's game
- 3 Tokyo exchange
- 5 Cleans with a wire brush
- 6 Textile employee
- 7 Rush
- 10 Stadium cheer
- 14 Letters of debt

PART 4: Scrambled Clues

- Actor DeNiro
- It's never at home: 2 wds.
- Commercials
- Goodman, "The King of Swing"
- Constrictors
- Lower California
- Alternative conjunctions
- Scent
- Farm building
- Biblical king and wise man
- Kernel holder
- Electrical units
- Turned left, as a plowhorse
- Pear-shaped fruit
- Clampett of *The Beverly Hillbillies*
- Star Wars pilot: 2 wds.
- Negative advice
- Prayer's answerer
- Zeal

CRYPTIC CROSSWORDS ★★

Each clue in a cryptic crossword contains two parts: a definition of the answer and a second description of it through wordplay. Finding the dividing point between parts is the key

to solving. Watch for anagrams, hidden words, charades of two or more smaller words, and other language tricks. Puzzle 2 is harder than Puzzle 1.

ANSWERS, PAGE 56

PUZZLE 1 BY SCOTT MARLEY

ACROSS

1 Skin treatment discovered inside of a CIA laboratory (6)

4 Oddly, a chin pad gives advantage to golfer (8)

9 Step up near amplifier and do over (6)

10 Sinner lied over reforming (8)

11 Swiftian comedy's opening, one Miss Moreno's backing (7)

13 Sexy young girl's disagreement in Russia about speedometer reading (7)

14 Strange legend about traitorous spy (6,5)

17 Reprint question, run pointless reply (3,8)

22 Watch sound cotton fabric (7)

23 A page with little hunger (8)

24 He's in tiptop order (6)

25 Kind of pad found in the lip or tongue (8)

26 Kitchen gadget that sounds larger (6)

DOWN

1 After first of February, I live in warm area (8)

2 Greedy company to overrule us (8)

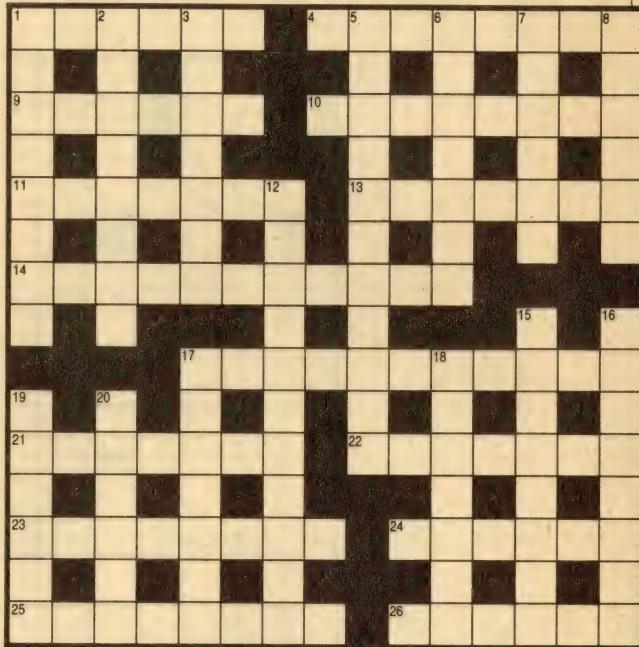
3 Naval officer I'd alarm at sea (7)

5 Progress made by commercial vehicle on pavement (11)

- 6 Fix boundaries for sandwich shop on Massachusetts campus (7)
- 7 Guevara taking chance in outfit (6)
- 8 Messing up, I try virtue (6)
- 12 Idle talk about garbled line from relayed communication (5,6)

BROWN

1 After first of February, I live in warm area (8)	Neptune's weapon is loud (8)
2 Greedy company to overrule us (8)	16 Around street, rising esteem for hot rod (8)
3 Naval officer I'd alarm at sea (7)	17 No bridge partnership is on top continuously (7)
5 Progress made by commercial vehicle on pavement (11)	18 Relative at topless bar is in doubt (7)



19 A bishop surrounded by laundry at Midwest river (6) **20** Push noose into place (6)

PUZZLE 2 BY KAREN HODGE

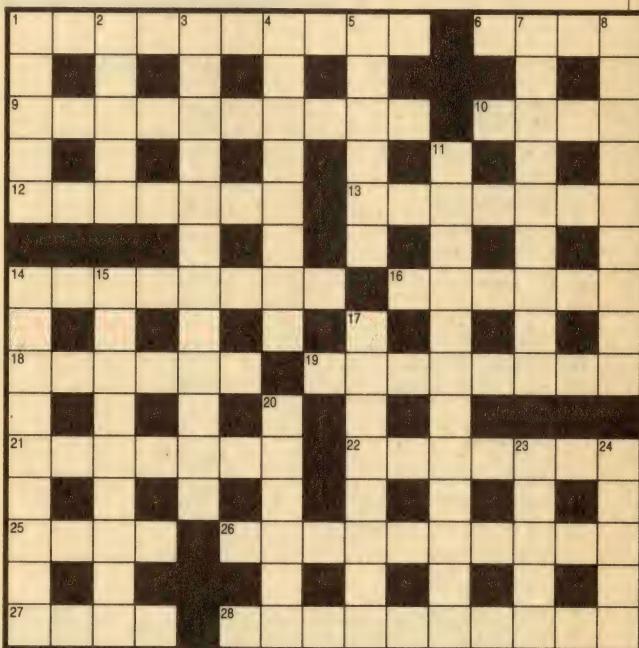
ACROSS

- 1 Greek goddess comes back inside, covered with pearls and without a hat (10)
- 6 Knife and clubs returned (4)
- 9 Scientific manager's torn trenchcoat (10)
- 10 Foreign capital invested in Czechoslovakia (4)
- 12 Used a hose and raced around beam (7)
- 13 Shocking act right in the middle of power failure (7)
- 14 Ignore dance club nut whirling (8)
- 16 Fury returns, assuming one title for the Queen (6)
- 18 Cobb grabs trumpet that's sticky (6)

- 4 One driver initially in stress from collision (8)
- 5 Charm turned up in Roman Empire's beginning (6)
- 7 Famous conductor to study in Italy's capital (9)
- 8 Gun's noise keeps frantic Romeo from returning weapon (9)
- 11 Wrongly cite crop cost from bacteria (12)

DOWN

1 Save Mr. Eliot's cigarettes (5)	15 Hear smoke bombs from cobbler (9)
2 Railroad carries expert runner (5)	17 Perform prayers for some track events (3,5)
3 Newlyweds waste money on horse (12)	20 Eleven breaking into Maine



company from
somewhere down
South (6)

23 Play doctor with group of doctors (5)

24 Edit type, including short song (5)

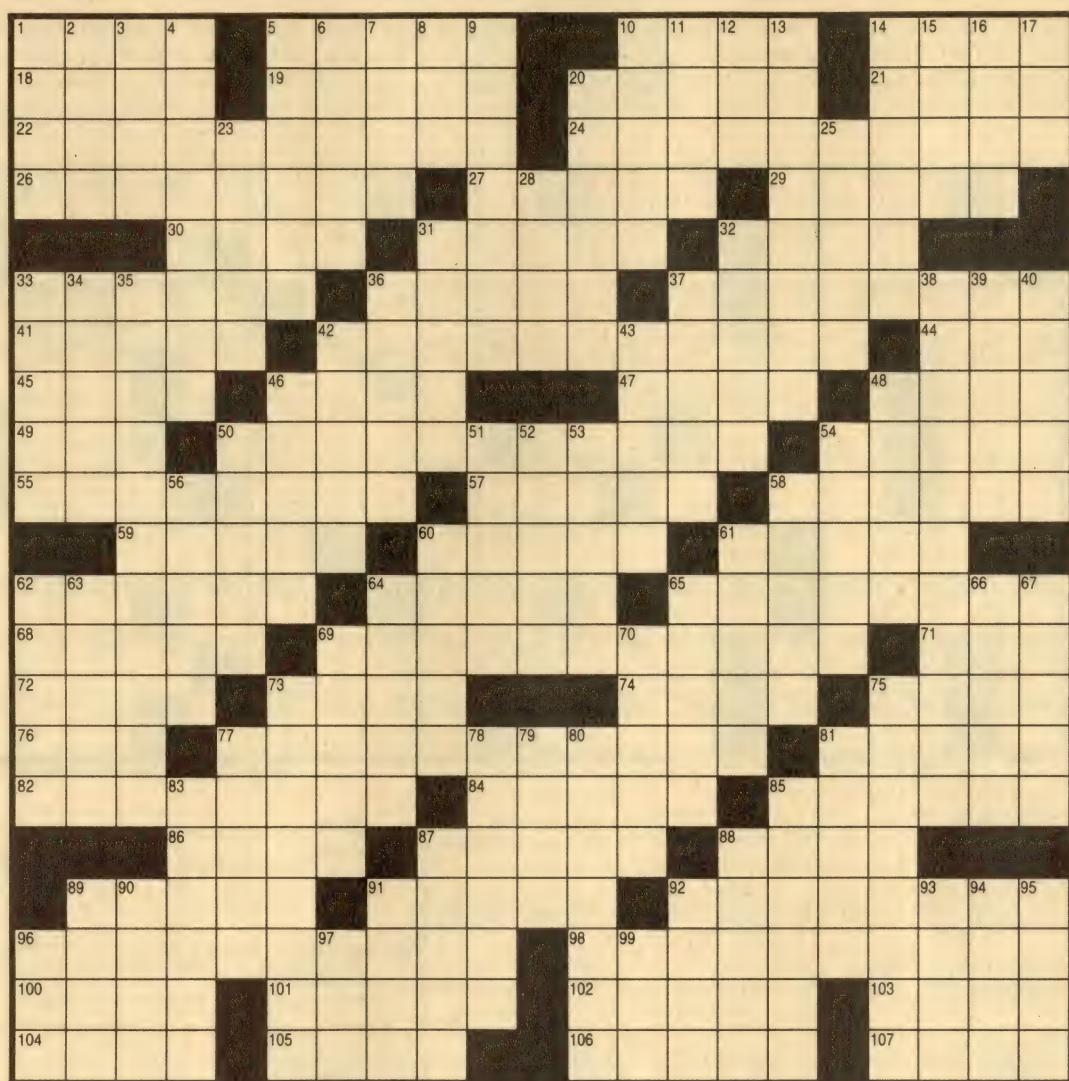
NAME-DROPPING ★★

BY NANCY ROSS

ACROSS

1 Harvest
 5 Hi hi
 10 Ont. or N.B.
 14 "The wolf ____ the door"
 18 "____ want for Christmas . . ."
 19 Vitamin C source
 20 Quietly, to the orchestra
 21 Burrito's kin
 22 Cut wood?
 24 No more?
 26 Quiz show contestant
 27 Body shop fixes
 29 Whoopi, in *The Color Purple*
 30 Bowlers, e.g.
 31 Inclines
 32 Muslim judge
 33 Lumberjacks
 36 Jigsaw minutia
 37 Like Charlie McCarthy, e.g.
 41 ____ Irish Rose
 42 Artless?
 44 ____ Got a Secret
 45 Dudley Do-Right's girlfriend
 46 Over
 47 Vikings landed there
 48 Re hosp. doings
 49 Actress Dolores ____ Rio
 50 No exits?
 54 They're owed on the road
 55 Incentive
 57 Plant ____ of doubt
 58 Cook slowly in liquid

59 Alleviates
 60 See 12-Down
 61 "____ sec!"
 62 Got the gas
 64 One who's beside himself?
 65 Nursery furnishing
 68 Egg silhouettes
 69 No win?
 71 Ben-____
 72 Acts of the Apostles writer
 73 Shopping aid
 74 Golden Rule word
 75 Figure skater Thomas
 76 ____ du Diable
 77 Strike one?
 81 Prove otherwise
 82 Lives it up
 84 Hot dog garnish
 85 Merchant
 86 Cockney's quests
 87 Flip response?



ANSWER, PAGE 54

88 French comic actor Jacques
 89 "Ya ____ believe!"
 91 Opposite of 20-Across
 92 Rotary-wing aircraft
 96 Far out?
 98 Take off?
 100 Clock numeral
 101 Kate's mate
 102 Winning side in '65
 103 Subdued
 104 *Cliff's Notes* info
 105 Present time?
 106 Polar explorer
 107 *National Enquirer* competitor

DOWN

1 Asian noble
 2 Photographic developing powder
 5 Hamlet's cry re Yorick
 4 Pyrotechnic spinner
 5 Puts on the qui vive
 6 Yukon river
 7 Gen. Bradley
 8 Not vert.
 9 "The woods are lovely, dark, ____": Frost
 10 Actress ZaSu
 11 Stadium shouts
 12 With 60-Across, singly
 13 Pelée and Krakatoa, e.g.
 14 Like this
 15 Ranee's wrap
 16 Ranch component
 17 Tot's Xmas gift
 20 Vaudeville comedian Joe

23 Approaches
 25 Track relentlessly
 28 @
 31 British tar
 32 Stallone flick
 33 MGM Grand rival
 34 Red as ____
 35 Lost shoe?
 36 Toughs
 37 "And be ____ for such disguise . . .": *Twelfth Night*
 38 Man overboard?
 39 Sermon subjects
 40 Thickheaded
 42 Witch word?
 43 Pageant host
 46 Distributed
 48 Raccoon's relative
 50 Dodges, in a way
 51 Koch bestseller

52 "With ____ in My Heart"
 53 Taylor or Richards
 54 Actress Van Devere
 56 Sap source
 58 Low figure?
 60 Rorschach designs
 61 Imperfections
 62 Henry of Webster
 63 Palatal pendant
 64 First asteroid
 65 *The Hunted*, in a 1987 movie
 66 Musicmaker Blake
 67 Judge, perhaps
 69 What's this?
 70 Dupes
 73 Crusoe or Gilligan
 75 Tickles pink

77 Coup group
 78 Held wide apart, in ballet
 79 "... ____ or a miss?"
 80 Angry
 81 Pick to win
 83 Rig
 85 Soft and smooth
 87 Comedienne Fields
 88 Coach
 89 Cager Goodrich
 90 Lima locale
 91 Hew
 92 Minor place?
 93 "____ your disposal"
 94 "____ Lama Ding Dong" ('61 song)
 95 Nonpareil
 96 Sartorial mishap
 97 Actor Gulager
 99 Nantes number

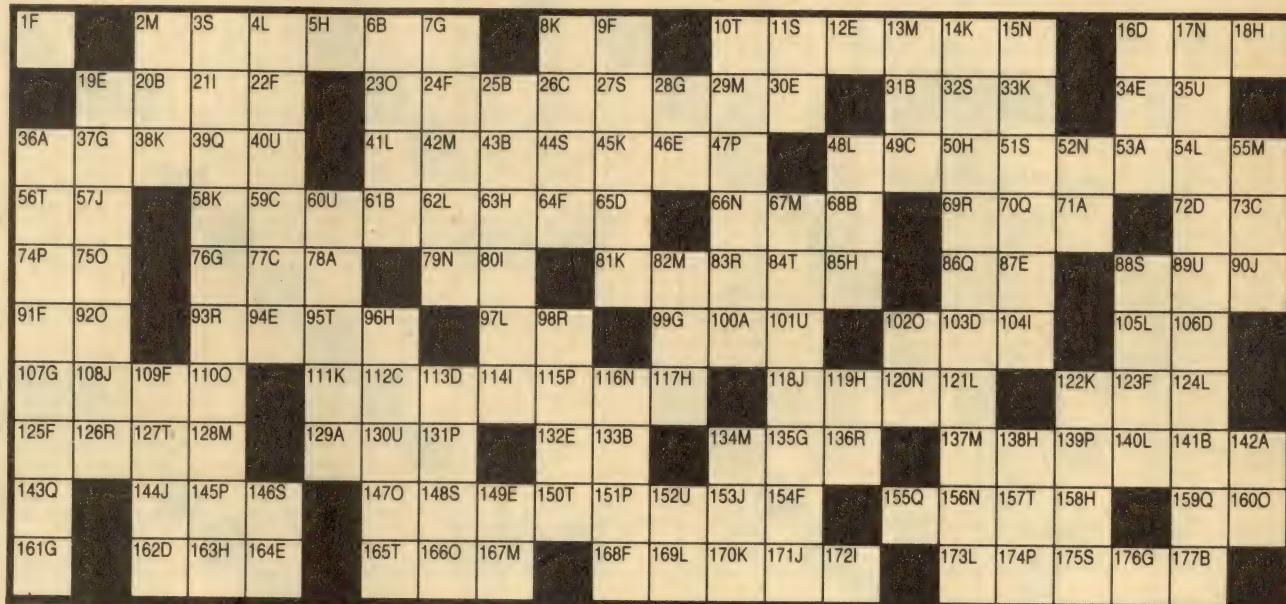
DOUBLE CROSS ★

BY MICHAEL ASHLEY

Answer the clues for words to be entered on the numbered dashes. Then transfer the letters on the dashes to the correspondingly numbered squares in the puzzle grid to spell a quotation reading from left to right. Black squares separate

words in the quotation. Work back and forth between grid and word list to complete the puzzle. When you are done, the initial letters of the words in the word list will spell the author's name and the source of the quotation.

ANSWER, PAGE 58



A. Ballerina's slipper	36	53	71	78	100	129	142		L. Wildly boisterous	4	41	62	48	105	54	140	121	169		
B. Served as an umpire	31	177	133	25	43	20	61	141	6	68						97	124	173		
C. International distress call	26	49	59	73	77	112			M. Mutually destructive	55	42	134	137	82	67	167	2	13		
D. Armed naval vessel	16	103	113	65	162	72	106									29	128			
E. Dentistry	94	164	149	46	87	132	19	34	30	12	N. Asia Minor citizen of Biblical times	15	17	52	66	79	116	120	156	
F. "Get tough" political issue (3 wds.)	24	1	125	109	9	154	123	168	64	22	91	O. Opening in a ship's deck	160	75	110	23	166	102	147	92
G. At once	176	161	7	99	135	76	28	107	37		P. Ghetto apartment house	47	74	145	139	115	131	151	174	
H. Founded	5	18	96	163	50	138	63	158	119	85	117	Q. Follow closely, as a detective	39	70	86	143	155	159		
I. Aromatic wine of Hungary	172	80	21	114	104				R. Sweet English confection	69	83	93	98	126	136					
J. Irreligious person	171	153	144	118	108	90	57		S. Without question	175	148	146	88	32	44	3	27	11	51	
K. Astonishing (hyph.)	33	122	45	81	38	58	111	8	T. Teacher's pet	10	56	84	95	127	150	165	157			
								170	U. Having intensity of spirit	35	40	60	89	101	130	152				

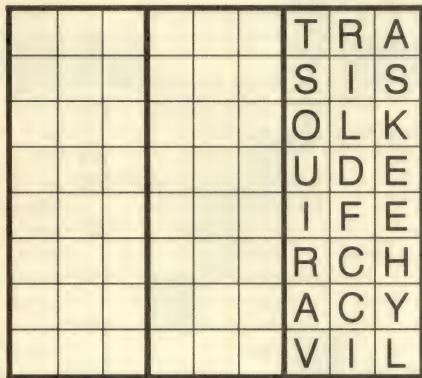
BUILDING BLOCKS ★

BY A. BRAINE

The last three letters in each line of this puzzle are already in place. To solve, insert the "blocks" above the grid into the remaining squares—without rearranging any letters—to complete eight nine-letter words reading across. Each of the blocks will be used exactly once, so you may cross them off as you proceed. When all the squares have been filled, two of the columns reading down will spell a pair of bonus words.

ANSWER, PAGE 58

AMP DAR EDE ENF GNO HES HOU LIT
MAT OCR ORC PRO RIA SEW THE WOM

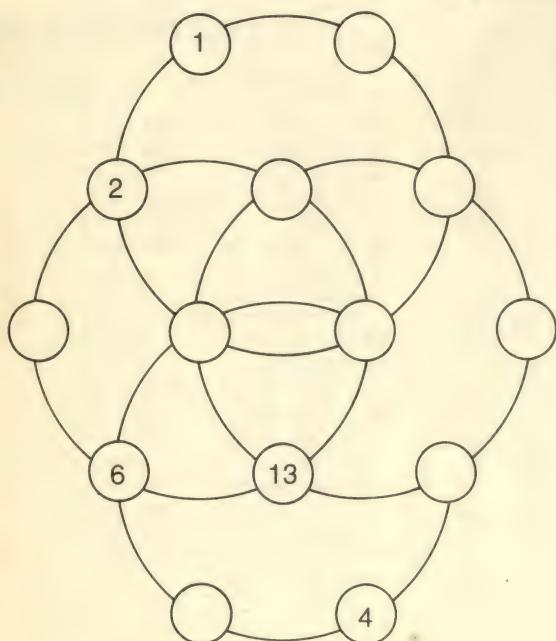


MAGIC RINGS ★★

BY CAL Q. LEYTOR

Can you place the numbers from 1 to 14 into the spaces below so that the six numbers in each of the four large rings total 50? Each of the numbers should be used only once. Five numbers have been filled in to give you a head start.

ANSWER, PAGE 58



THE WORLD'S MOST ORNERY CROSSWORD

BY HENRY HOOK

Six Appeal

The crossword on this and the next two pages has two independent sets of clues: "Hard" and "Easy." First, fold this page back on the dashed line so the clues below face the solving grid on page 37. If you use only the Hard Clues (appearing below and continuing under the grid), you'll find the puzzle uncommonly challenging. If you want help, or prefer a less severe challenge, open to the Easy Clues (tucked in beneath your fold on page 36).

HARD CLUES ★★

ACROSS

- 1 "Mending Wall" poet
- 6 1979 Dionne Warwick hit
- 12 Fundamental
- 18 Half of a car repair bill
- 23 Place for musical notes?
- 24 Externally growing plant
- 25 Alter the prescription
- 26 Lift a lid
- 27 *Dynasty's* Kate
- 28 ___-ink sketch
- 29 Hautboy player
- 30 Summon
- 31 Rule
- 32 Odile's alter ego, in *Swan Lake*
- 33 Nice neighbor?
- 34 Copycat Congressman
- 35 Collars
- 37 Sawlike parts
- 39 Hat size?
- 41 Unsuccessful
- 43 Willow variety
- 45 West African nation
- 46 Pacer, perhaps?
- 52 Seeing red?
- 55 17th-century Turkish sultan
- 60 Landlubber's location
- 61 Extra-thrust engine
- 63 *The Governor & J.J.* star
- 65 Resembling wings
- 66 U.S. weather satellite program
- 67 Illness as Metaphor author
- 68 "Last Theorem" mathematician
- 69 Antimacassar
- 70 Hydrogen compound
- 71 Behrman play ___ For Comedy
- 72 Shows a long suit, in bridge
- 73 *Twelfth Night* heroine
- 74 Not playing with a full deck
- 75 Christ's condemner
- 76 *The Sicilian* director
- 77 *Cheers* city
- 78 Sir Walter Scott's *The ___ John*
- 80 "Over Edom will I cast out ___": Psalms
- 82 Protection against shellshock?
- 84 Painter Hubert van ___
- 86 Mr. Public
- 88 *Rubaiyat's* rhyme scheme
- 89 Indian trader
- 95 Moundman George
- 98 What to do "for auld lang syne"
- 103 Somewhat
- 104 ___ Tin
- 106 Joan of Arc's inspiration
- 108 Windmill arm
- 109 Word in many university names
- 110 ___ a lifetime
- 111 Signal, as on some game shows
- 112 Harts' mates
- 113 "My ___ in the ring!"
- 114 Irritating
- 115 Should, slangily
- 116 Weird Al Yankovic hit
- 117 Rams fans?
- 118 Nyasaland, today
- 119 Empty talk
- 120 Harold Robbins's ___ For Danny Fisher
- 121 Coarse woolen cloth
- 123 Bozo has two
- 125 Wastrel
- 127 Soothe
- 129 Thief
- 131 Blackthorn
- 132 Moisture machine
- 138 *Throw Momma From the Train* star
- 141 Turtle with a bite
- 146 World's busiest airport
- 147 Leaves in the afternoon?
- 149 "___ bragh!"
- 151 Cherry or almond, e.g.
- 152 ___ left field (weirdly unconventional)
- 153 Nonpareil
- 154 Main news article
- 155 Truffaut film ___ et Jim
- 156 *The Romance of Helen ___* (old radio soap)
- 157 Fruit
- 158 Start of a music-hall tune
- 159 Mini-chart
- 160 George Kennedy TV oldie
- 161 Hard and impenetrable
- 162 Bee Gees' "___ Alive"
- 163 Porn commission head

THE WORLD'S MOST ORNERY CROSSWORD (CONTINUED)

Don't Peek
Until You Read
Page 35!

EASY CLUES ★

ACROSS

- Ice a cake
- Eerie familiarity: 2 wds.
- Kind of scream
- Roles in a play
- Passenger ship
- Plant that grows from outside (GEE, NO X anag.)
- Give a new amount of medicine
- Take off one's derby
- Actress Kate, formerly of *Dynasty*
- pencil set: 2 wds.
- Woodwind musician
- Call forth
- Rule a country
- Swan Lake* princess (TEE DOT anag.)
- France's film festival city
- Delaware Senator Joe
- Slaps the cuffs on
- Sawlike parts of animals (ERASER anag.)
- 40 quarts: 2 wds.
- Conceited
- Basketry willow (ROSIE anag.)
- Take-out shop request: 2 wds.
- Man whose wife is pregnant
- Owing money: 2 wds.
- Turkey's — Kemal (A FAT SUM anag.)
- On land, to a sailor
- Airplane engine type
- Song-and-dance man Dan (IDEAL Y anag.)
- Winglike (in LIBERAL ARTS)
- Novices: Var.

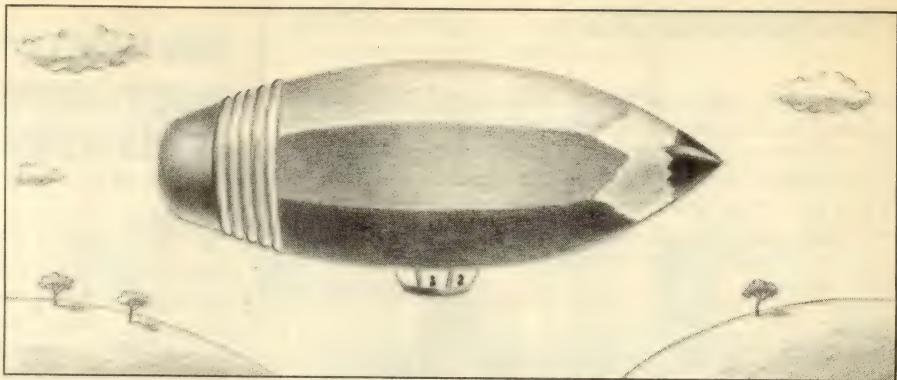
- Novelist Susan (GASTON anag.)
- Mathematician Pierre (AFTER M anag.)
- Small decorative mat
- Ammonia compound (A DIME anag.)
- For *Sergeants*: 2 wds.
- Offers more money at an auction
- Cello's little cousin
- In — parentis
- Pontius —
- Heaven's Gate* director Michael
- Capital of Massachusetts
- Keats poem "The — Agnes": 3 wds.
- "One, two, buckle —": 2 wds.
- Containers for "Grade A" products: 2 wds.
- Flemish painter Jan van —
- Public (average person): 2 wds.
- Rhyme scheme for *The Rubaiyat*
- Southwestern trader of the 1800s
- Baseball pitcher Doc
- "We'll — o' kindness yet": 3 wds.
- 1973 movie — of *Class*: 2 wds.
- Movie dog — Tin: 2 wds.
- Tenor and alto, in a choir
- Wind indicator
- Washington or Georgia
- "— Love With Amy": 2 wds.
- Herald, as the New Year: 2 wds.

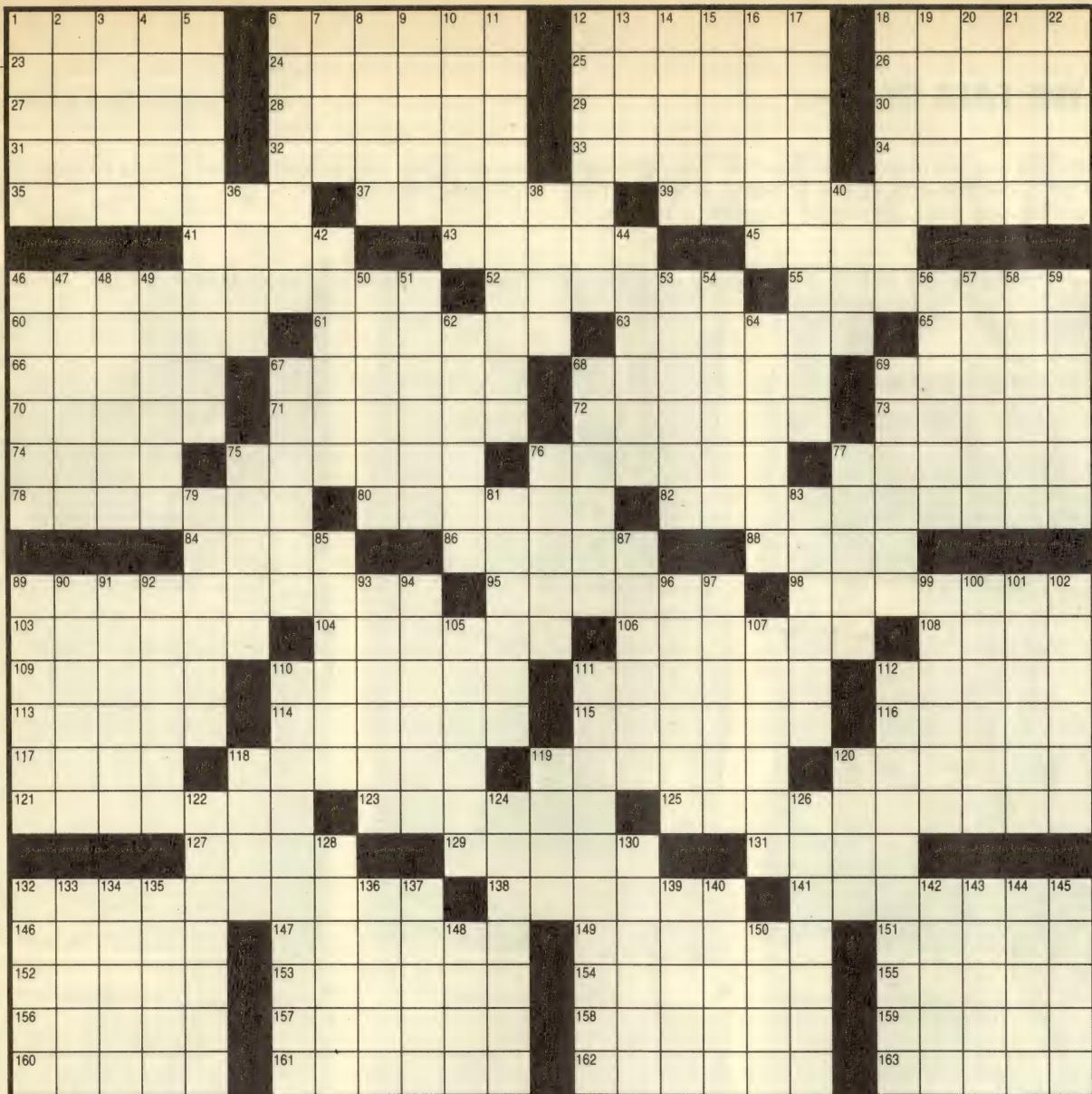
- Female red deer
- "My — in the ring": 2 wds.
- Full of stinging prickles
- "There — be a law!"
- Weird Al Yankovic's parody of Michael Jackson: 2 wds.
- Female sheep
- Neighbor of Mozambique (A WILMA anag.)
- Giant balloon fill: 2 wds.
- Just —'s throw away: 2 wds.
- Scottish woolen weave (A MAD LAW anag.)
- Vowels pronounced like *eau*: 2 wds.
- Wasteful spender
- Temporary decline
- Thief: Yiddish (FANG E anag.)
- gin fizz
- Air-moisture device
- Taxi* star Danny
- Food fish
- Chicago airport
- Tea variety
- "— bragh)": 2 wds.
- One-seeded fruit type (UP RED anag.)
- Down and — Beverly Hills: 2 wds.
- One-of-a-kind
- "Take me to your —"
- Author Verne
- River of England (in BUDGET RENTAL)
- Outcome
- "—-Boom-De-Ay"
- Map within a map
- Beetle Bailey's superior
- Rock duo — Dan

- Don't leave the house: 2 wds.
- Attorney General Ed

DOWN

- Fauna's partner
- Versifier: Var.
- Walk — (be very happy): 2 wds.
- Durable suit fabric
- Across
- It's often a nickel per bottle
- Crossed (out)
- Actor James Earl —
- Playing marble
- Abdomen: Prefix (REV NOT anag.)
- Surrounded, as a fortress: 2 wds.
- Go forward
- C & W singer McEntire
- "Frankly, my dear, — give a damn)": 2 wds.
- Monk: Fr. (I'M ONE anag.)
- Agreement
- Shea Stadium cheer: 3 wds.
- Adobe villages
- Blacksmith's block
- Rose: Prefix (DOOR H anag.)
- "Is this seat —?"
- British guns (NESTS anag.)
- Weight allowance (RATE anag.)
- *Misbehavin'*
- "When you see — reach . . ." (Loesser lyric): 2 wds.
- "There's — like an old . . .": 2 wds.
- Cash in, as trading stamps
- Femme* — (siren)
- Single-file dances
- Mensa requisite: 2 wds.
- Fly a plane
- Synagogue official
- Water nymph (IN NUDE anag.)
- Annoy
- Laying a bathroom floor
- Orange or lemon, e.g.
- Crawling, maybe: 3 wds.
- Teddy and Franklin D.
- Dr. McCoy's frequent line: 3 wds.
- Hawaiian island
- Sharpen
- Unknown author: Abbr.
- Cooked just right, pasta-wise: 2 wds.
- Like small mechanical devices
- Runner-up
- Young jungle cat
- will (shoot as one pleases): 2 wds.
- Owlish calls
- Nichelle Nichols, on *Star Trek*
- Alma —
- Arousing anger
- Beethoven's *Für —* (LEE IS anag.)
- Game akin to croquet (in HERO QUEST)
- Jeweled headpiece
- Johnson or Pardo: Pig Latin
- Sun-dried plum
- Heartbeat
- Fencing swords
- Remainder: Fr. (STEER anag.)
- and void
- Comedienne Jewell





ANSWER, PAGE 59

HARD CLUES (CONT'D)

DOWN

- Plants
- Poetaster
- Sign in a radio station
- Conductor Koussevitzky
- Type of engine mounting
- Money in the bank
- Deleted, in a way
- Bonhomme Richard* commander
- 5.5-point type
- Belly, in combinations
- Attacked from all sides
- Continue
- Biblical king
- Wrong wedding response?
- Brest brother
- Okay
- Hurray, at Shea
- New Mexico Indians
- // *Trovatore* prop
- Rose: Prefix
- Occupied
- Tommies' guns
- Scale allowance
- Cole Porter ditty
"It ____
Etiquette"
- "What ____!"
(words of acclaim or sarcasm)
- Wise man?
- Expiate
- Femme ____
- I, Robot* author
- In triplicate
- Spell
- Noted paperback imprint

- Being
- Skipper and P.J.'s friend
- Joketeller's sine qua non
- Follower of the Way
- Former San Francisco mayor Joseph
- Emma's *Dynasty* role
- Nordic folk
- Heavyweight champ Braddock, Corbett, or Jeffries
- Europe's largest lake
- Pilfer
- Quaker
- New World Symphony* composer
- ____ up (prepare emotionally)
- Broadway producer Alexander
- Wawa and Looey
- They get it while it's hot
- Corn concoction
- Linked series
- Nut
- Musk-ox wool
- Tropical nut tree
- River between Ontario and Québec
- Inaccessible but by drawbridge
- Absorption in dreams
- Of the open mouth
- Calisthenics chant
- Snake dances
- 160, maybe
- Fly
- "Ida, Sweet as Apple Cider" singer
- Water nymph
- Harass
- Den : paneling :: bathroom : ____
- Orange, e.g.
- Creeping
- Alice and Eleanor
- Line from almost any *Star Trek* episode
- Site of Haleakala National Park
- Whet
- Prolific author?
- Like perfect linguini
- Complicatedly mechanical
- Loser
- Cub
- Aim for
- Words from the wise?
- Enterprise* Communications Officer
- Mum
- Making one's blood boil
- Beethoven's dedicatee
- Game played with mallets
- Diadem for Di
- Odfather?*
- Eliminate the extraneous
- Rhythm
- Duels' tools
- "J'y suis, j'y ____" (Here I am, here I remain)
- 0
- Comic-actress Jewell

ON THE FACE OF IT ★★

BY HARRY VAN DYKE

It's been said you can recognize a man from 200 yards away if he's got a distinctive mustache or beard. Who said that? Why, we did—just after assembling this pack of famous un-

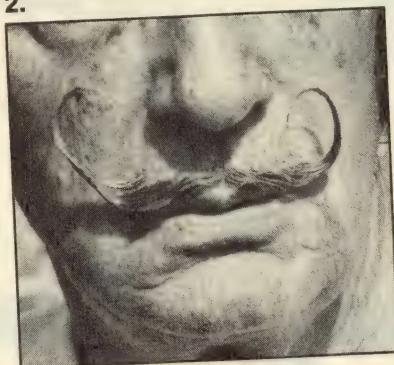
shaven faces. Can you identify all 12 just from the hair on their chinny-chin-chins?

ANSWERS, PAGE 58

1.



2.



3.



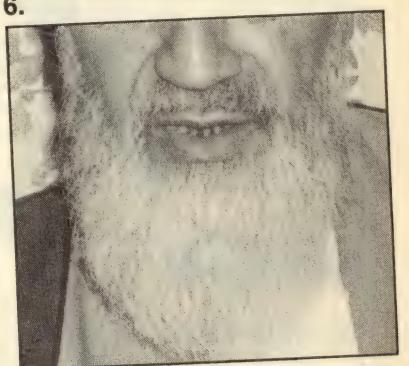
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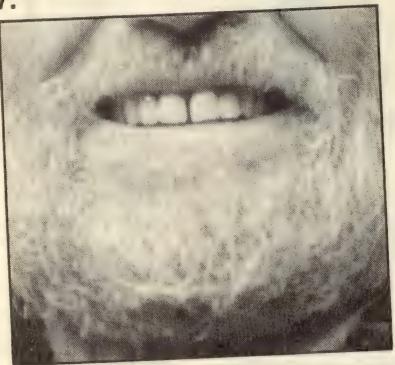
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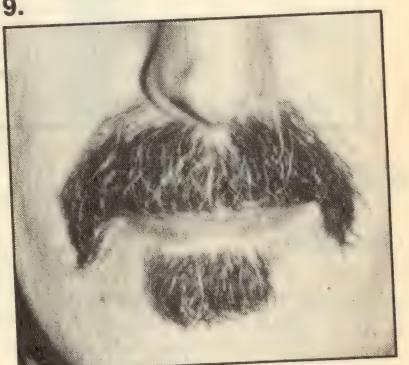
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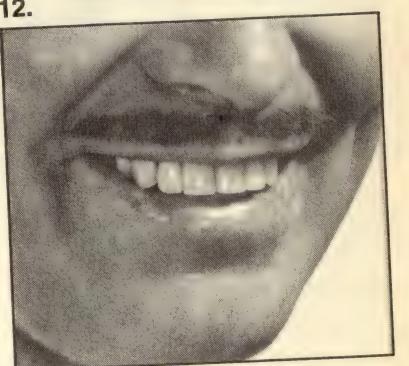
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11.



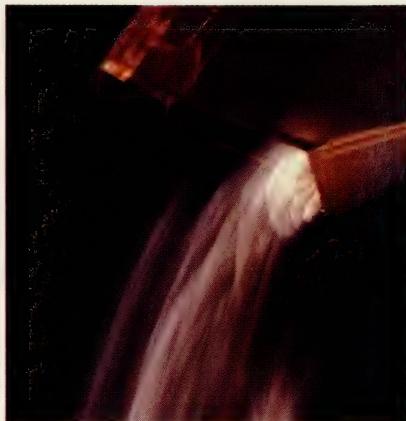
12.



MOTION PICTURES

Can you identify these Eyeball Benders in motion?

ANSWERS, PAGE 56

**1****2****3****4****5****6****7****8**

CLUES

- 1 On the rebound
- 2 Movie mate
- 3 Horsing around
- 4 For spokespersons?
- 5 Has its ups and downs
- 6 On a roll
- 7 Many happy returns
- 8 Holds sway

STILL LIFE

A BACK-TO-FRONT PICTURE PUZZLE

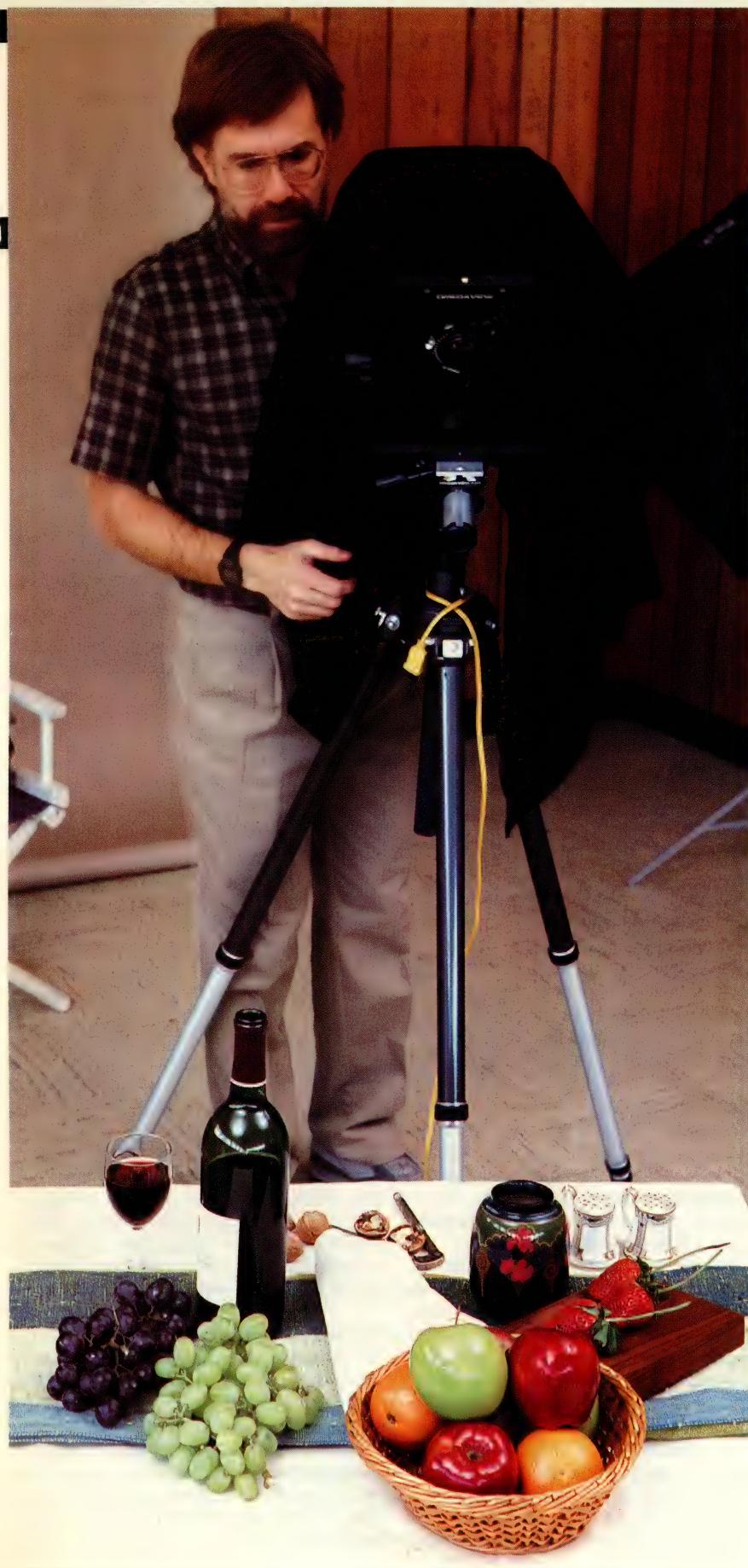
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Photographed by Keith Glasgow

The photographer at right is just about to shoot the still life arranged on the table in front of him. By observation and some mental flipping, can you figure out which of these nine pictures will be the result?

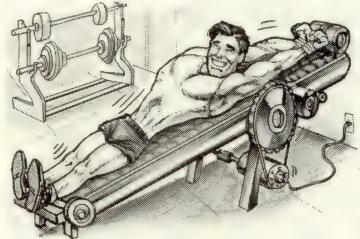
ANSWER, PAGE 54





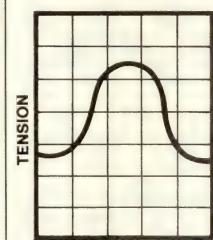
IT HURTS SO GOOD

End the torture of back problems today. The Rack™ is a breathtaking advance in home exercise equipment. Designed specifically to work the arms, legs, and upper and lower back muscles, the Rack will save you a fortune in chiropractor's bills.



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Made of steel, its motorized, self-adjusting high-tension coils provide the right amount of pull. At the highest level, a brief workout will stretch you to the limit. Use the rack just 10 minutes a day and we guarantee you'll forget about any previous minor back pains!

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BUSHKA

A Strategy Game for Two Players

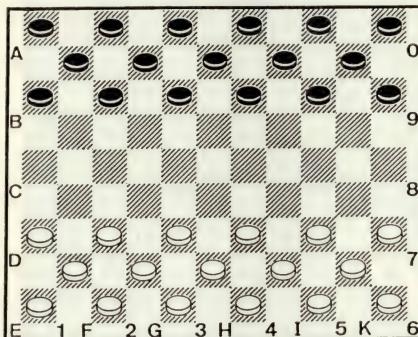
Bushka grew, in part, from its inventor's dissatisfaction with the game of international checkers. Although international checkers is much more complex than the Anglo-American checkers game that is familiar to most Americans, it produces mostly draws at the highest levels of competition. Bushka has some similarities to international checkers, but adds key elements inspired by other games: capture "by approach," from fanorona, the national game of Madagascar (see September/October 1980 GAMES); and "phalanx" movement, from Bob Abbott's game Epaminondas (reviewed in July/August 1978 GAMES).*

Equipment

An 11x9 checkered board (which players will need to draw or improvise), 17 white checkers, and 17 black checkers.

Setup

Each player arranges his or her checkers on the dark squares of the first three rows, as shown.

**Object**

A player wins by capturing or blocking all opposing pieces. (A player who cannot move when it is his or her turn loses.)

Play

1. All play is on the dark squares. In these rules, a "line" means any diagonal line of dark squares.
2. White moves first, and play then alternates between the two players. Moving is compulsory.
3. In turn, each player moves either one "piece" or one "phalanx."

Piece Movement

4. A "piece" means either a "man" (a single checker) or a "king" (a promoted man, represented by two checkers stacked together).
5. A man moves one square forward along a line, to a vacant square.
6. A man that reaches one of the six squares of the opponent's first row is promoted to a king.
7. A king moves any distance forward or backward along an open (unoccupied) line, ending on a vacant square.

Phalanx Movement

8. A "phalanx" is an unbroken row of two or more like-colored men (a phalanx never contains a king) lying in a line. A phalanx moves as a unit, one space forward along its line, provided

the square in front of it is vacant.

Note: In actual play, all the men in a phalanx are not moved. Instead, the rearmost piece is picked up and placed on the square in front of the phalanx.

9. A phalanx may be broken up, either by moving just the frontmost man or by moving just some of the front men and leaving behind one or more men in the phalanx's tail.

Capture

10. A player who can make a capture must do so.

11. All capture is "by approach." When a piece or phalanx moves next to an opposing piece in its line of movement, the opposing piece is captured.



White moves to the square marked X, capturing one man.

Additional pieces may also be captured in the same turn, as explained under rules 14 and 20 below.

Phalanx-Capture

12. A phalanx may move either forward or backward to make a capture.

13. A player who can make a capture by moving a phalanx *must* do so, even if the player was in a position to have made a capture by moving a piece instead. This is known as "phalanx-capture."

14. When a phalanx makes a capture, it captures not only the piece that is approached but also any enemy pieces that lie beyond in an unbroken row in the same line of movement. That is, if a phalanx moves next to an opposing phalanx that lies in the same line, the entire opposing phalanx—no matter how long it is—is captured.

15. A player who can make more than one phalanx-capture must choose the one that captures the greatest number of pieces. If the numbers are equal, the player chooses which capture to make.

16. After making a phalanx-capture, a player ends his or her turn.

Piece-Capture

17. A player who cannot make a phalanx-capture must, if able, make a capture by moving a piece. This is known as "piece-capture."

18. A piece may move forward or backward to make a capture.

19. A piece that approaches an opposing phalanx captures only the single opposing man that it moves next to. A

THE SUPER IQ TEST REPORT, PART II

BY KEVIN LANGDON

My IQ test, the Polymath Intellectual Ability Scale, was published in the August-September 1987 issue of GAMES. (Answers and explanations appeared in the January 1988 issue.) Readers could send their answers for scoring, and I also sent it to members of several high-IQ societies, specifically those societies whose members must be in the top one-thousandth of the population. This allowed me to compare their

scores on this test with their previous scores on other tests. 1,294 GAMES readers and 170 members of high-IQ societies sent in answer sheets to be scored. I've based the statistics in this report on the total sample of 1,464 testtakers.

Before I tell you how to score your results yourself, let me explain how these tables were created. And when you figure out your score, remember that test scores on this or any other IQ test cannot

be taken as a full measure of the competence or worth of a person. Only a small part of what we mean by "intelligence" can be measured by a paper-and-pencil test. This particular test was designed to measure *attention in reasoning*, the ability to discern complex patterns in data and to draw correct inferences from them. Even within these limits, a perfectly accurate test is a statistical impossibility.

Table 1
Score for each answer to each item

Item	A	B	C	D	E
1	-1.01	4.03	-1.01	-1.01	-1.01
2	3.80	-0.95	-0.95	-0.95	-0.95
3	-0.61	-0.61	-0.61	2.43	-0.61
4	-0.52	2.08	-0.52	-0.52	-0.52
5	4.45	-1.11	-1.11	-1.11	-1.11
6	-0.67	2.68	2.68	-0.67	-0.67
7	-0.97	-0.97	3.90	-0.97	-0.97
8	-0.60	-0.60	-0.60	2.39	-0.60
9	-1.13	4.52	-1.13	-1.13	-1.13
10	-1.40	-1.40	5.58	-1.40	-1.40
11	2.26	-0.57	-0.57	-0.57	-0.57
12	-0.51	-0.51	-0.51	-0.51	2.03
13	6.97	-1.74	-1.74	-1.74	-1.74
14	-0.50	-0.50	-0.50	2.00	-0.50
15	-1.36	-1.36	-1.36	-1.36	5.45
16	1.98	-0.49	-0.49	-0.49	-0.49
17	-0.61	-0.61	-0.61	-0.61	2.43
18	-0.68	-0.68	-0.68	2.74	-0.68
19	0.00	0.00	0.00	0.00	0.00
20	-0.88	3.53	-0.88	-0.88	3.53
21	-0.58	-0.58	-0.58	-0.58	2.34
22	-0.77	-0.77	-0.77	3.08	-0.77
23	-0.68	2.72	-0.68	-0.68	-0.68
24	2.11	-0.53	-0.53	-0.53	-0.53
25	-2.03	-2.03	8.13	-2.03	-2.03
26	6.00	-1.50	-1.50	-1.50	-1.50
27	-1.15	-1.15	-1.15	4.58	-1.15
28	-0.68	-0.68	-0.68	-0.68	2.71
29	-0.77	3.08	-0.77	-0.77	-0.77
30	0.00	0.00	0.00	0.00	0.00

SCORING

Now to the scoring. The items on the test are not equally difficult. Some were answered correctly more often than others. The first step in "norming" the test—that is, making the results gibe with other IQ tests—is to count the number of right answers for each item. The fewer who got an item right, the more it was worth.

Using the new values for the items, I added up testtakers' scores, each score being a number from zero to 100. (Actually, none of the testtakers achieved the perfect score of 100; the highest was 96.)

This allowed me to put the test results in order from highest to lowest, but didn't indicate an IQ value for any particular result. To determine this, I statistically compared the scores from this test with previous IQ test scores of the testtakers from high-IQ societies.

To compute your IQ, find your score for each item in table 1. Right answers have positive scores; wrong answers score negative. (For example, if you answered A to item 1, you score -1.01 for that item; if you chose B, the correct answer, you score 4.03.) Unanswered questions score 0. Add up all the scores and round to the nearest whole number to get a "scaled score" between zero and 100. Find your scaled score in table 2, and read across to the last column to find your IQ. Other columns show your percentile rankings as compared with the other testtakers and with the general population. For example, if you are in the 72nd percentile of the general pop-

ulation, you scored better than 72 percent of the general population would probably do.

You can get a more detailed statistical report for \$2 from Polymath Systems, P.O. Box 795, Berkeley, CA 94701. Don't order the report if you sent in an answer sheet for scoring; the report was sent to you with the scoring. You can also get a summary of the correct answers and reasoning for the items for \$1. Two other high-IQ tests—the Langdon Adult Intelligence Test and the Four Sigma

Qualifying Test—are \$8 each. The LAIT is also available on a 5 1/4" diskette for IBM computers for \$20; the scoring fee is included in the price. Add \$2 for shipping and handling per order.

Notes on the tables: Two items were not scored because of errors in a drawing (number 19) or in the phrasing of the item (number 30); for two others (numbers 6 and 20) alternate answers were accepted.

There is no penalty for items not answered, but giving more than one an-

swer for any item counts as a wrong answer even if the item has more than one right answer.

Items were weighted in proportion to the reciprocal of the number of testtakers who selected the right answer (or either right answer where more than one answer was accepted). To make calculation easier, this table is slightly simplified from the one used to figure score reports. Scores figured with this table will occasionally differ by one point from those given in score reports.

Table 2
IQ corresponding to each scaled score

Scaled score	Tested Pop.	Gen. Pop.	IQ
	%ile	%ile	
00	0	73	110
01	0	75	111
02	0	77	112
03	0	77	112
04	1	79	113
05	1	80	114
06	1	80	114
07	2	82	115
08	2	84	116
09	3	85	117
10	3	85	117
11	4	86	118
12	4	88	119
13	5	88	119
14	6	89	120
15	7	90	121
16	8	91	122
17	9	91	122
18	10	92	123
19	11	93	124
20	12	93	124
21	13	94	125
22	14	94	126
23	15	95	127
24	16	95	127
25	18	95	128
26	19	96	129
27	21	96	130
28	22	96	130
29	24	97	131
30	26	97	132
31	27	97	132
32	28	98	133
33	29	98	134
34	31	98	135
35	33	98	135
36	34	98	136
37	36	98	137
38	37	98	137
39	39	99	138

40	40	99	139	55	69	99.9	150
41	41	99	140	56	71	99.9	150
42	43	99	140	57	73	99.9	151
43	46	99	141	58	75	99.9	152
44	48	99.5	142	59	76	99.9	152
45	49	99.5	142	60	78	99.95	153
46	51	99.6	143	61	79	99.96	154
47	53	99.7	144	62	81	99.97	155
48	55	99.7	145	63	82	99.97	155
49	58	99.7	145	64	83	99.97	156
50	59	99.8	146	65	85	99.98	157
51	61	99.8	147	66	86	99.98	157
52	63	99.8	147	67	87	99.98	158
53	65	99.8	148	68	88	99.98	159
54	67	99.8	149	69	89	99.99	160

(CONTINUED ON PAGE 59)

FIGURE IT OUT FOR YOURSELF

If you can figure out this puzzle, you may be able to qualify to join MENSA, the society for people whose intelligence is at or above the 98th percentile on a standard "IQ" test.

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THE THREE STOOGES MEET HULK HOGAN IN LAS VEGAS

Software publishers woo new markets with pop culture programs

Tens of thousands gathered in Las Vegas recently to gamble—not on bars and cherries, but on which new computer programs would become 1988's big sellers.

Over 100 publishers of computer programs displayed their software at the winter Consumer Electronics Show, held in January. Each one hoped that its new products would be the ones to capture the interest of the swarms of software buyers and reporters who buzzed up and down the lines of booths. As usual, there were plenty of new computer games to sample.

A few companies continue to cater mainly to hardcore computerists. But the big trend this year is to make computer programs attractive to the user-in-the-street, who may know very little—and care even less—about the fine points of a computer program. One result of this trend is that many new programs have unusually short instruction manuals; some even have no manual at all.

Another development is that many new programs have pop culture themes, often adapting characters and stories that have been successful in other media.

Two programs by CinemaWare illustrate both of these aspects. **Rocket Ranger** is a lavish tribute to the Nazi-fighting heroes of the movie serials of the 1930s and 40s. In it, you become a spy smasher in a pilot's suit.

Three Stooges, not surprisingly, has a sillier flavor: Its opening is a ponderous parody of the computer game Defender of the Crown, hilariously disrupted by Larry, Moe, and Curly, who then present the real start of this zany electronic board game. Both Rocket Ranger and Three Stooges teach you how to play as you go. CinemaWare's animated artwork, as always, is the best around.

Infocom's new text adventure, **Sher-**

lock: The Riddle of the Crown Jewels, makes up for its lack of graphics with plenty of atmosphere. Playing the part of Dr. Watson, you and the great detective search London, from Westminster Abbey to the Chamber of Horrors at Madame Tussaud's Wax Museum to an opium den near London Bridge, in an effort to thwart—well, whom do you think?

The big surprise from Infocom, though, is **Infocomics**, a line of interactive electronic comic books. Each disk has a three-to-five-hour comic book story told with fades, zooms, and other cinematic devices. You can stop the action or go backward when you like. Unlike Infocom's text adventures, there are no puzzles to solve, and you can't alter the story's outcome, but you can decide which of the many characters to follow,



Rocket Ranger



Three Stooges



Infocomics

and even change in mid-scene, as the plot unfolds.

First Row's **Prime Time** is a pop culture lover's dream: the chance to run a TV network. Directing one of two rival networks, you develop concepts, bid for new shows, set the schedule, and monitor the ratings in the industry newspaper.

Hulk Hogan is the star of MSLA's **MicroLeague WWF Wrestling**, in which players secretly select their moves and then watch as the computer shows the results. The matches you see are not animated, but are clips from real bouts, processed digitally and displayed on the computer screen. New disks coming soon provide such pairs as Randy Savage vs. the Honkytonk Man, and Hacksaw Jim Duggan vs. King Harley Race.



Red Storm Rising



The Games-Winter Edition

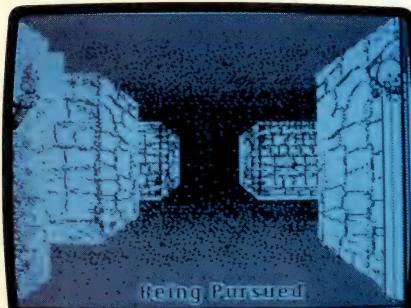


Pool of Radiance

Two submarine simulations have been inspired by Tom Clancy best-sellers: MicroProse's **Red Storm Rising** and DataSoft's **The Hunt for Red October**. The former has lots of undersea combat; the latter stresses maneuverability as you try to evade enemy subs.

Epyx's breathtaking **The Games—Winter Edition** lets you take part in winter Olympic events like speed skating, luge, and cross country skiing. One to eight players can compete in this beautifully illustrated game.

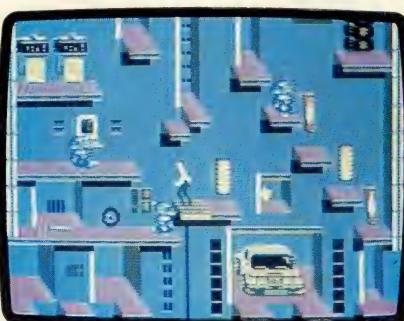
Strategic Simulations has brought out the first computer roleplaying game approved by the makers of Dungeons & Dragons, **Advanced Dungeons & Dragons, Volume 1: Pool of Radiance**. (In fact, the same scenario is being released simultaneously with a new module for the standard game.) More



Citadel



Star Rank Boxing II



Impossible Mission II

programs in this series are planned, as well as a program to help D&D players generate random encounters and monsters.

Roleplaying games are as popular as ever, and if a software company doesn't have a license on an existing game, it just creates its own. Computer roleplaying games like Wizardry, Bard's Tale, and Might & Magic are now joined by Mindscape's **Citadel**, a medieval fantasy of the sort that's fairly standard by now. You assemble a mixed party of characters, each with different abilities, and then guide them through many

rounds of fighting and exploring. The view ahead of you is illustrated as you go.

Gamestar has improved their 1986 boxing simulation in **Star Rank Boxing II**. What was good is now great: The animation is more fluid, and the sound effects are chillingly authentic. The squeamish may cringe when leather meets flesh.

Electronic Arts' **The Sport of War**, by designer Dan Bunten, is a battle game that lets you command each soldier individually. Two can play it over the telephone if they have modems.

Several hits of previous years have inspired sequels. Epyx's **Impossible Mission II** again pits you against master villain Elvin, who has a brand new plan to rule the world. Climbing and shooting action dominate this game. Strategic Simulation's **Questron II** spins a new tale of adventure in an eerie world of beasts and booty. Electronic Arts' **Skyfox II** sends your pilot into deep space to do battle while flying a one-man spaceship. And Cosmi's **Super Huey II** adds improved graphics and other enhancements in a new version of its helicopter simulation.



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GAMES & BOOKS

EDITED BY SCOTT MARLEY

THE WALL STREET GAME

\$32 ppd.; American Games, 4902 South Collins, Arlington, TX 76108

Unlike many recent stock market games, The Wall Street Game doesn't try to be realistic. There are no thick pads of bookkeeping forms, no computations to do on a calculator. Unlike many recent stock market games, The Wall Street Game is fun to play.

Two to four investors race to make a million dollars by buying and selling stocks in 10 fictitious companies like Universal Foods and Petro Industries (well, *nine* fictitious companies—the highest-priced stock is in American Games).

On the board's outer track, you get "broker cards" or earn cash by landing on the right spaces. Along the inner paths are brokers like Dean Witter and Merrill Lynch, none of which are—as of this morning's paper—fictitious. Each broker sells one of the 10 stocks. With a broker card you can try to enter that broker's office to buy—or later, sell—a block of stock.

Stock prices rise and fall

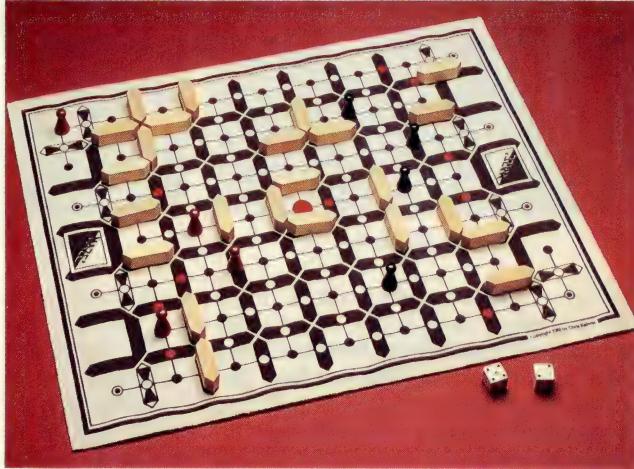
according to the "market level," a number that fluctuates between 1 and 12. The market goes up each time a player buys stock, and down at every sale. A simple slide-rule-like device keeps track of prices.

Players also move the market up or down by landing on or passing various spaces. Manipulating the market level is often a key point of strategy—especially at times when half the players have stock and are trying to sell high, while the other half want to buy low. Fortunes can depend on which side gets its way.

Stocks pay dividends from time to time, governed by cards in a "dividend deck." You won't make your million from dividends alone, but they keep the cash flowing when the market is stagnant.

The fun is in the many choices you're faced with all through the game: which path to follow, how to influence the market level, whom to swipe a broker card from. The chance element and the brisk pace—you can finish a game in an hour or less—make The Wall Street Game a light game that adults and older children can both enjoy.

—Sid Sackson



MAZE

\$11.95 ppd.; deluxe set (not shown): \$29.95 ppd.; Chris Kalivas, P.O. Box 161, Patchogue, NY 11772

Even though dice determine the moves, this attractive race game for two players gives plenty of opportunity for strategy.

You move your four pawns along the network of paths, your die roll determining how many dots one of your pawns can move over. You may change direction within a move, but backtracking isn't allowed.

The large red dot in the center of the board is the exit. You win by getting all four of your pawns to the center before your opponent.

Half the dots—every other one—are "wall spaces" where a wall may be placed. When the game begins, walls surround the center dot and the pawns' starting spaces. You can't move a pawn over a wall, but if you can move your pawn *onto* a wall by an exact die roll, you can move the wall to any vacant wall space on the board.

If you land on an enemy pawn, you send that pawn to the enemy "jail corner."

An effective strategy is to place plenty of walls around the enemy's jail corner, and then land on as many enemy pawns as you can.

It's good to keep your pawns together, and to use walls to separate your opponent's pawns. Try to position your pawns so that many numbers on the die could be useful: If your pawns are different distances from their targets (whether walls, enemy pawns, or the exit dot), you'll have a better chance of hitting something on your next turn.

In my own playing, I've found that a doubling cube makes an interesting addition to the game. As in backgammon, either player can offer a double; if the opponent accepts, the game is played at double stakes; otherwise the opponent immediately forfeits the game at single stakes. Any number of doubles can be made, the right to double alternating between the players.

The basic set shown has a sturdy cloth board and wooden pawns and walls, and comes packaged in a tube. A deluxe set is also available with a wooden board and box.

—Sid Sackson

GREAT ADVENTURES FOR NINTENDO

New games for the Nintendo Entertainment System have reached levels of sophistication and challenge I thought impossible in a video game. If you loved the original Nintendo games two years ago, wait till you see these beauties.

In **The Legend of Zelda** (Nintendo, \$45), your goal is to find fragments of a mystic triangle hidden in eight labyrinths. A hint pamphlet shows you where four of the labyrinths are, but getting to them requires practice, patience, and skill. (One is even in the middle of a lake.)



The Legend of Zelda

And once inside, don't think you can simply pick up the fragment and go home. You'll have to fight for your life every step of the way, not only inside the labyrinths but under them as well—if you can find the secret tunnels.

But victory is sweet: Defeated enemies leave behind weapons, hearts (which lengthen your life), keys, and jewels (with which you can buy other useful items). You will eventually find maps and compasses in the labyrinths, but until you do, you should make your own maps to avoid getting lost.

Metroid (Nintendo, \$40), a gorgeous game, is a maze of rooms and tunnels you must fight your way through in order to reach and defeat the Mother Brain (don't ask why). The maze

alone would be a daunting challenge, but the enemies here are truly diabolical; you have to deal with them while trying at the same time to jump over deadly pools or empty space.

Killing the enemies, however, increases your life energy and your fire power. Here's a simple trick to beef up your energy reserves: Since a room is restocked with enemies each time you leave it, return to it often before tackling the next challenge.

One of the most novel features of Metroid is your character's ability to change from a man into a small ball. He can't shoot that way, but he can more easily avoid certain enemies and get into small places. (That's another hint, by the way, which you'll only appreciate when you're well into the game.)

Success at **Kid Icarus** (Nintendo, \$40) depends on accurate, well-timed jumps: Your landing places are either narrow or in motion, and while jumping you are being harassed by lethal beasties. If you've got the coordination to jump and shoot at the same time—and nerves of steel to boot—you'll do well here.

Your quest is to find three sacred treasures and an evil goddess, whom you must kill in order to rescue the goddess of light. By destroying enemies you earn hearts, which, as in Zelda, increase your life expectancy. Along the way you can earn more hearts by shooting at flying noses—yes, noses; there's a sense of humor at work in this very addictive game.

Deadly Towers (Broderbund, \$35) is the most difficult game of the four. Not only are the enemies much more numerous than in the other games—and no less aggressive—but some of them have the nasty habit of materializing suddenly out of nowhere.

The object here is to remove a bell from each of

seven towers of a castle. The castle also contains hidden dungeons and a parallel world; the entrances to these, which are huge, unmapped mazes, are invisible; worse, once you go in, you can get back out only by finding the hidden exit. Be warned: You won't get very far underground without a map. Avoid these places until you've learned the game pretty well.

The old Nintendo games have one common flaw: When you lose your last life, you must start the game from the beginning; you can't "save" your position as you can in many com-



Metroid

puter role-playing and adventure games. That problem has been ingeniously solved in these four new games, an improvement that adds immeasurably to the pleasure of playing them. —Burt Hochberg

MORE NINTENDO GOODIES

In my old favorite, **Lode Runner** (Broderbund, \$30), you collect gold chests in a maze of ladders and walkways while avoiding the Bungelings. In this new version, you see only part of the maze at any time; to see the rest, you must move your little guy to the edge of the screen, whereupon it scrolls—revealing, perhaps, a surprise demise.

Spelunker (Broderbund, \$30) is another great treasure-collecting maze game, this time in a series of treacherous caves and tunnels.

Raid on Bungeling Bay (Broderbund, \$30) requires you to guide a helicopter over enemy islands and destroy six factories. Like Spelunker, it's difficult but satisfying.

The Goonies II (Konami, \$37) is a fascinating, almost too difficult, maze-puzzle game: A map shows your position in either the front or back of the two-sided maze. You can move from front to back, but the rooms you seek stay tantalizingly inaccessible.

Arkanoid (Taito, \$19) is the latest incarnation of Breakout, one of Atari's ear-

liest hits. Your task is to knock out every brick of a wall by bouncing a ball off a paddle. Power capsules are released by hitting certain bricks. Each capsule you capture does something different: slows the ball, widens the paddle, turns the paddle into a gun, etc.

In **Elevator Action** (Taito, \$19), you try to descend through the 30-odd floors of a building via elevators and escalators that just aren't conveniently arranged, with bad guys shooting at you all the way. Delightful; not too deep.

Lunar Pool (FCI, \$30) is a fascinating puzzle-game based on pool. Round by round the tables become more fantastic, with pockets in odd places, cushions at strange angles, various obstructions, and starting positions that Minnesota Fats wouldn't bet a nickel on.

Skykid (Sunsoft, \$35) is a charming fly-and-shooter in which two players can collaborate to shoot down enemy planes while bombing a series of ground targets. The best part is doing loop-the-loops to sneak up behind the enemy.

1942 (Capcom, \$30) is a more serious fly-and-shoot game. If you like fast, non-stop action and have a tireless thumb, you'll love it.

—Burt Hochberg

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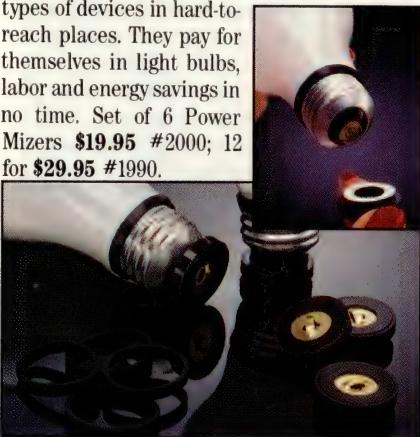


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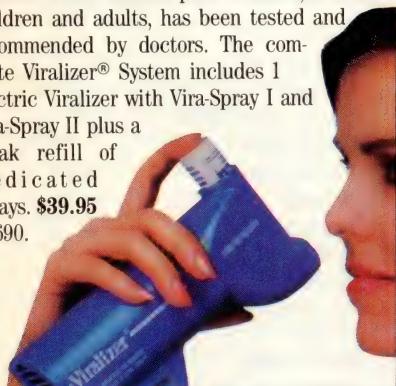


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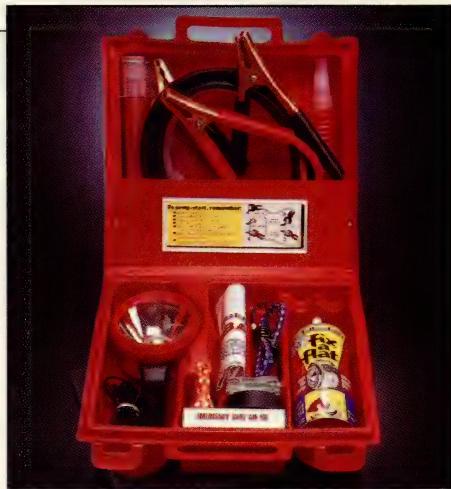
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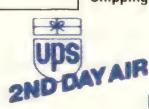
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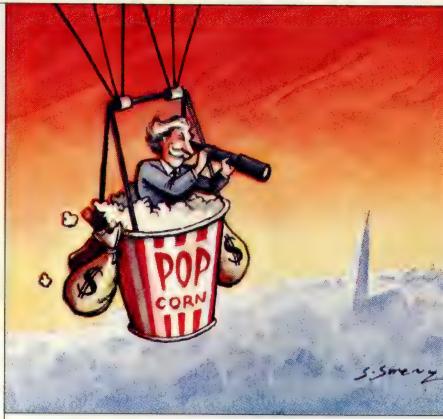
EDITED BY MIKE SHENK

TWISTS X-RATED MOVIES

We've taken the names of some familiar movies and replaced all the letters and numerals with X's. Each capitalized letter and each numeral has been replaced with a capital X, while each lower case letter has been replaced with a lower case x. Can you reconstruct the original titles from these X-rated versions?

1. X.X. Xxx XXXXX-XXXXXXXXXX
2. Xxx XXXX XXX X
3. Xx. Xx
4. X*X*X*X
5. XXXXXX/XXXXXXX
6. XXX & XXXXX & XXX & XXXXX
7. XXXX: X XXXXX XXXXXXXX
8. XXXX'X XXXXXXXXXX!
9. XXXXXX xx. XXXXXX
10. XXXXX-XX
11. XXXX XXXXX XXXXXX, XXX'X XXXX?
12. X/X
13. Xx, XXX!
14. XXXXX'X
15. XXXXXX XXX XXX. XXXXXX
16. XX,XXX XXXXXX XXXXXX XXX
17. XXXXXX X'XXXXX XXXX
18. Xx XXXX XXX XXX XX X.X.
19. XXXXXXXX XX XXXX XXXXXX
20. XXXX! XXXX! XXXX!
21. jXXXXX XXXXXX!
22. XXXX'X Xx, XXX?
23. ... XXX XXXXXXX XXX XXX
24. XXXX XX xx Xx. XXXXX
25. XXXXXX' XX XXX XXX

—Mike Shenk



FOR THE RECORD YOU DON'T SAY

What would the Disney characters Dumbo, Dopey, Tinkerbell, and Pluto say is the one trait they all have in common?

—Robert Leighton

WORDPLAY FAMILY PICTURE

A common eight-letter word can be formed by surrounding a familiar girl's name with a synonym for "father" and a synonym for "mother." What word is it?

—Edward Derman

TEASERS IN A DAZE

Can you determine the sequence represented by the following words, and supply the next word in the series?

NOM
SUET
SWEDEN
HURTS

—Adam Sumera

IN OTHER WORDS RUSSIAN 101

You don't need to know Russian to take this test—just match the 15 Russian words (1-15) with their English translations (a-o), and see if you aren't surprised at just how much Russian you know.

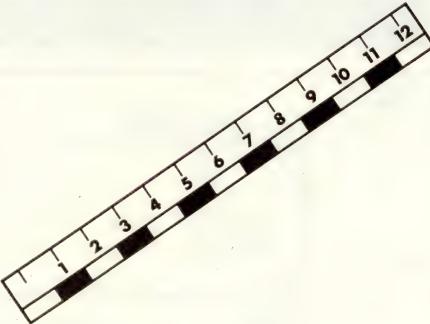
1. *alpinism*
2. *baryerist*
3. *baton shokoladni*
4. *kontsertant*
5. *narkoman*
6. *paniker*
7. *planersport*
8. *portsigar*
9. *prognoz*
10. *tabulyagramma*
11. *takser*
12. *telefonistka*
13. *flotski*
14. *fotoapparat*
15. *shkolinik*

- a. cab driver
- b. camera
- c. chocolate bar
- d. cigarette case
- e. drug addict
- f. gliding
- g. hurdler
- h. mountain climbing
- i. operator
- j. performer
- k. printout
- l. pupil
- m. sailor
- n. scaramonger
- o. weather forecast

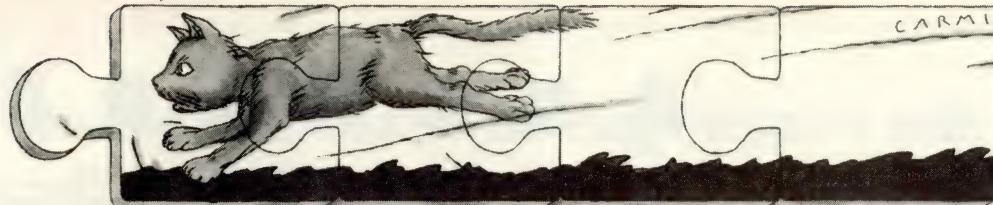
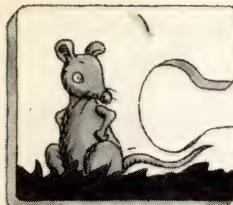
—Ruth Freedman

NUMBER PLAY THE OLD SWITCHER-RULE

Take the 12-inch ruler shown at right, switch two of the numbers, and then draw a vertical line between two of the numbers so that (1) the sums of the numbers on both sides of the line are the same, and (2) the sum of the numbers atop black spaces is the same as the sum of those atop white spaces.



—Karen Nimmons



LOGIC THE OZ QUEST

Although the inhabitants of Oz love to hear about Dorothy's early years in Kansas, it's hard for them to imagine such exotic objects as a cyclone cellar or a bicycle. To alleviate this difficulty, H. M. Woggle-Bug, T. E., Curator of the Official Museum of the Land of Oz, recently invited the five regions of Oz to join in The Great Oz/Kansas Scavenger Hunt. One player from each of the five regions—the Munchkin, Winkie, Quadling, and Gillikan countries, and the Emerald City—would search for five rare artifacts: a screen door, a cyclone cellar, a cyclone, a bicycle, and a bicycle basket.

The hunt was a great success. The five players—Hoodle, Frazz, Balabu, Pelerooney, and Snid—together brought back at least one of every item on the list, though no player found all five. Here's a report of their accomplishments:

1. Snid found more items than did the Winkie, and the Quadling found more than Hoodle.

2. Balabu and Pelerooney brought back one item each, Balabu bringing a bicycle.

3. Only the Munchkin and Frazz brought back cyclones. That is, cyclones were found by only the Quadling and either Hoodle or the Emerald City player.

4. Snid found a bicycle basket, but the Winkie and the Gillikan did not. The Munchkin couldn't find either a bicycle basket or a bicycle.

5. Hoodle was pleased that she found the only screen door, and that her cousin the Winkie found the only cyclone cellar.

Can you identify which region each player was from, and the items he or she brought back?

—Bob Stanton

TEASERS WORDS TO THE WISE

All of the following words share an interesting property. Can you determine what they have in common?

ARROW AWNING AWL
EARLY EARNING EAST
ON ORE OURSELVES

—Robert Gray

NUMBER PLAY AGE OF REASON

Jim is 17 times as old as his brother was when Jim was as old as his brother was when Jim was as old as his brother is. And their father is not even 90 yet. How old are Jim and his brother?

—Guney Mentes

WORDPLAY ALPHABETICAL ORDER

Can you make nine ordinary English words by filling in the blanks below and at right?

A B _ _ _ C
D _ E _ _ F _
G H _ _ _ I _
J _ _ K _ L

TRIVIA A.K.A. ON TV

Each of the TV characters below is better known by a nickname he or she went by. Can you identify the nickname used by each, and the series in which he or she appeared?

1. Theodore Cleaver
2. Eric Cartwright
3. John Ross Ewing Jr.
4. Arthur Fonzarelli
5. Walter O'Reilly
6. Francine Lawrence
7. Ken Hutchinson
8. Montgomery Scott
9. Gerald Lloyd Kookson III
10. Frank Poncherello
11. Bosco Baracus
12. Jonas Grumby

—Steven Wienke

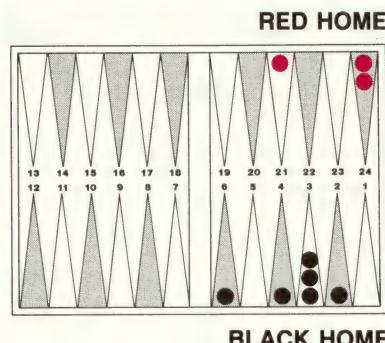
M _ N O P _ _ _
Q _ _ _ R _ S _
T U _ _ _ V _ _
_ _ _ W _ X _
_ _ _ Y Z _

—N. M. Meyer

BACKGAMMON THE BEST MOVE

In the backgammon bear-off position shown at right, Black rolls 6-1. What is Black's best move?

—Bill Davis



ANSWERS

4 YOUR MOVE

Flip Side

(Susan B.) Anthony is next. These are the people shown on the most recent U.S. coins, from penny up to dollar.

Sum-it Meeting

9338
+ 932
10270

Long, Long Trail

Two inches from the center, just as at the start. The ladybug crawls to a point an inch from the center every time, and then is put back to 2 inches from the center by each doubling of the string's length.

How's That?

Number the sentences 1 through 4. From #1 we know that ircles slive the drobby glents. Therefore, from #3, no wumbles blee the dorpledum. From #4, either drystals glaith at torfazand or else parkles do not hork all jeamers. (Otherwise wumbles would blee the dorpledum, which we already know to be false.) But from #1 we know that parkles do hork all jeamers, so drystals must glaith at torfazand. Finally, from #2 we deduce that bilfen anfer plermings.

So the answer is: Yes, bilfen anfer plermings.

Woman in the Middle

1. Scarlett O'Hara (*Gone With the Wind*)
2. Guinevere (*Camelot*)
3. Eliza Doolittle (*My Fair Lady*)
4. Priscilla Mullins
5. Bess (*Porgy and Bess*)
6. Helen of Troy (*The Iliad*)
7. Laurey (*Oklahoma!*)
8. Carmen (*Carmen*)
9. Bathseba (Old Testament)
10. Lucie Manette (*A Tale of Two Cities*)
11. Ilsa Laszlo (*Casablanca*)
12. Catherine Earnshaw (*Wuthering Heights*)
13. Eve Kendall (*North by Northwest*)
14. Nina (*The Sea Gull*)
15. Roxane Robin (*Cyrano de Bergerac*)

A Matter of Degree

The precise formula is $9/5 C + 32 = F$, while the approximation is $2C + 30 = F$. If both methods give the same number for F, then $9/5 C + 32 = 2C + 30$. Solving this equation gives $C = 10$.

Therefore, the temperature was 10°C, or 50°F.

33 NAME-DROPPING



26 CRYPTOLISTS

1. Indian Items

Wigwam
Peace pipe
Moccasins
Feather headdress
Totem pole
Wampum
Tomahawk
War paint
Deerskin pants
Papoose

2. Game Shows

Jeopardy!
Hollywood Squares
To Tell the Truth
Password
The Price is Right
Family Feud
Concentration
Joker's Wild

3. At a Bank

Automatic teller
Safe deposit box
Interest rates
Foreign exchange
Loan inquiries
Checking account
Christmas Club
Savings bond
Bounced check
Security camera

4. Odd Comic Book Titles

Sky Sheriff
Peter Porkchops
Teen-Age Temptations
Kid Carrots
Tessie the Typist
Slave Girl Comics
Boy Commandos
Rock and Rollo
Frisky Fables

5. Turning 50 This Year

Richard Benjamin
Connie Francis
Rich Little
Johnny Paycheck
Rex Reed
Jon Voight
Superman
Peter Jennings
Rudolf Nureyev
Gordon Lightfoot

6. Mystery List

(Things that are drawn)
Well water
Gunslinger's pistol
Tie game
Conclusions
Haggard face
Winning entry
Straws
Deep breath
Crowd
Comic strip

14 STROKES OF GENIUS: EYE EXAM

The fake art works are: 1-b, 2-a, 3-a, 4-b, 5-b.

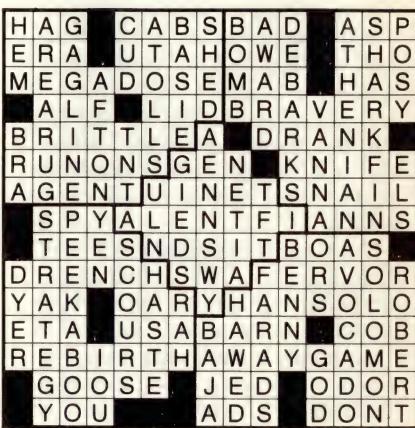
20 FOOD, GLORIOUS FOOD

1. c
2. a-whole-wheat bread
b-coleslaw
c-rice pudding
3. b
4. a-4, b-5, c-1, d-2, e-3
5. a-Wendy's Single, b-McDonald's Big Mac, c-White Castle, d-Burger King Whopper
6. Nouvelle cuisine—a cuisine minceur—b grazing—b
7. e (tomato), b (Iceberg lettuce), h (cucumbers), f (bacon bits), g (fresh fruit), d (hard-boiled eggs), c (coleslaw), a (raw green beans)
8. d
9. a-4, b-1, c-2, d-3, e-6, f-5
10. a-8, b-5, c-7, d-1, e-9, f-6, g-2, h-4, i-3, j-10
11. a
12. a-4, b-5, c-2, d-1, e-3
13. d
14. c
15. b (The avocado is 75% fat, devil's-food cake is 40%-50%, flank steak 30%-40%, pancakes 20%-30%, buttermilk less than 20%).
16. c
17. a-al dente (Tender pasta contains more water, thus has fewer calories per unit volume.)
b-yolk (A cup of yolks has 846 calories, a cup of egg whites has 396.)
c-they're the same (You don't eat the pits.)
18. d (In 1977, the reported price in Hong Kong for an ounce of wild ginseng from China's Chan Pak Mountains was \$23,000. By comparison, First Choice Black Perigord truffles sell for \$13.20 per .44 ounce.)
19. b
20. c (Since 1912, about 100 billion Oreos have been sold.)
21. a (Technically, a peanut is a legume, and Brazil nuts and almonds are seeds.)

40 STILL LIFE

The correct view is number 4.

31 FOUR-IN-ONE CROSSWORD



"A genuine talent finds its way."—Goethe

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GAMES
DELUXE

PLUS

Mike Shenk

I somewhere
word AFFINITY,
the answer is
beginning in
long the out-
this way, the
upper left cor-
neph Morley.



air a diode in the receiver. (5)

the yogi some tricky kind of

the violent anger in each

OF CHALLENGE AND DELIGHT IN
EVERY ISSUE

PENCILWISE PLUS ANSWERS BEGIN ON PAGE A14.

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ANSWERS

4 YOUR MOVE

Flip Side

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Sum-it Meeting

9338
+ 932
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Peace pipe
Moccasins
Feather headdress
Totem pole
Wampum
Tomahawk
War paint
Deerskin pants
Papoose

2. Game Shows

Jeopardy!
Hollywood Squares

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1. c
2. a-whole-wheat bread
b-coleslaw
c-rice pudding
3. b
4. a-4, b-5, c-1, d-2, e-3
5. a-Wendy's Single, b-McDonald's Big Mac, c-White Castle, d-Burger King Whopper
6. Nouvelle cuisine—a cuisine minceur—b grazing—b
7. e (tomato), b (Iceberg lettuce), h (cucumbers), f (bacon bits), g (fresh fruit), d (hard-boiled eggs), c (coleslaw), a (raw green beans)
8. d



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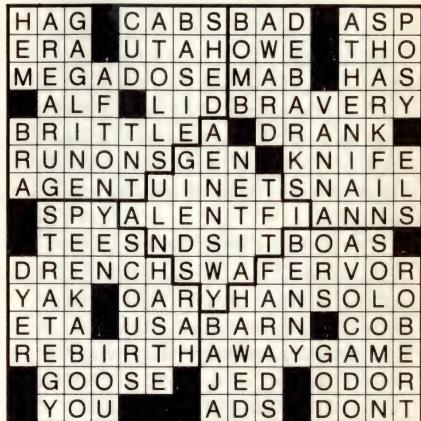


Jon Voight
Superman
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6. Mystery List

(Things that are drawn)
Well water
Gunslinger's pistol
Tie game
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PENCILWISE

PLUS

Editor: Will Shortz • Assistant Editor: Mike Shenk

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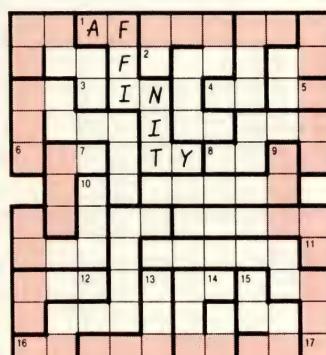
INSIDE AND OUT

By Will Shortz

★★

Each sentence below has a hidden word that is defined somewhere in the line. For example, sentence #1 conceals the word AFFINITY, which is defined as "liking." (The number of letters in the answer is shown in parentheses.) Enter each answer in the grid beginning in the appropriately numbered square and proceeding along the outlined path. When all the answers have been entered in this way, the shaded squares on the grid's border—starting in the upper left corner and reading clockwise—will spell a quote by Christopher Morley.

1. By covering the sheet with paraffin, it yielded a luster to the worker's skiling. (8)
2. If the girls look promising, let one try out for the team. (9)
3. The sound of the bird in Handel's oratorio left me bewildered. (6)
4. Seven visitors remained in part of New England. (5)
5. The darkness had everyone scared. (5)
6. Ray, the clean-up man, described the circus to Diana. (9)
7. The hungry fox encircled the sleeping farm animals. (4)
8. We discussed a political theory of freedom in our philosophy class. (6)
9. Our next entry in the talent competition shows room for improvement. (6)
10. It's hard to overcome a downwind in a field of expert bicyclists. (6)
11. The metal pin enabled me to fix the Swiss watch. (6)
12. Several taxpayers don't think the rate adjustment is fair. (4)
13. The Indian language is behind in the development of new words. (5)
14. Father ran downtown on a quick trip to the store. (6)
15. We need to repair a diode in the receiver. (5)
16. Martha taught the yogi some tricky kind of exercises. (9)
17. Color showed in the violent anger in each man's face. (9)



PENCILWISE PLUS ANSWERS BEGIN ON PAGE A14.

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ANSWERS

32 CRYPTIC CROSSWORD 1

ACROSS

- 1 Facial (oF A CIA Laboratory)
- 4 Handicap (a chin pad)
- 9 Revamp (rev + amp)
- 10 Evildoer (lied over)
- 11 Satiric (C + I + Rita's)
- 13 Nymphet (nyet + mph)
- 14 Double agent (legend about)
- 17 Non sequitur (question run)
- 21 Arrange (gear ran)
- 22 Ticking (two meanings)
- 23 Appetite (a + p. + petite)
- 24 Behest (he + best)
- 25 Heliport (THE LIP OR Tongue)
- 26 Grater (greater)

DOWN

- 1 Fireside (F + I + reside)
- 2 Covetous (co. + veto + us)
- 3 Admiral (I'd alarm)
- 5 Advancement (ad + van + cement)
- 6 Delimit (deli + M.I.T.)
- 7 Clothe (Che + lot)
- 8 Purity (up I try)
- 12 Chain letter (chatter + line)
- 15 Strident (s + trident)
- 16 Dragster (st. + regard)
- 17 Nonstop (no + N-S + top)
- 18 Unclear (uncle + bar - b)
- 19 Wabash (a + B + wash)
- 20 Propel (rope + pl.)

32 CRYPTIC CROSSWORD 2

ACROSS

- 1 Bareheaded (Hera + beaded)
- 6 Stab (bats)
- 9 Technocrat (trenchcoat)
- 10 Oslo (czechOSLOvakia)
- 12 Sprayed (sped + ray)
- 13 Outrage (R + outrage)
- 14 Discount (disco + nut)
- 16 Regina (anger + I)
- 18 Thorny (Ty + horn)
- 19 Soothing (so + 0 + thing)
- 21 Remorse (re + Morse)
- 22 Receded (decreed)
- 25 Elks (el + Kansas)
- 26 Witchcraft (with + C + craft)
- 27 Turn (tern)
- 28 Conspiracy (con's + piracy)

DOWN

- 1 Butts (but + T. S.)
- 2 Racer (R.R. + ace)
- 3 Honeymooners (money on horse)
- 4 Accident (I + d + accent)
- 5 Enamor (Roman + E)
- 7 Toscanini (to + scan + in + I)
- 8 Boomerang (bang + Romeo)
- 11 Streptococci (cite crop cost)
- 14 Detergent (deter + gent)
- 15 Shoemaker (hear smoke)
- 17 Dog races (do + graces)
- 20 Mexico (XI + ME + co.)
- 23 Drama (Dr. + AMA)
- 24 Ditty (eDIT TYpe)

39 EYEBALL BENDERS

- 1 Basketball
- 2 Popcorn machine
- 3 Carousel
- 4 Bicycle
- 5 Roller coaster
- 6 Skateboard
- 7 Tennis racket
- 8 Swing

30 TITLE BOUT

Our answers are as follows. (Others may also be possible.)

BLACK: "That Old Black Magic," *The Black Hole*, *The Red and the Black*, *Baa Baa Black Sheep*

FLYING: "The Daring Young Man on the Flying Trapeze," *Flying Down to Rio*, *Fear of Flying*, *The Flying Nun*

ISLAND: "Island Girl," *The Island of Dr. Moreau*, *Treasure Island*, *Fantasy Island*

WILD CARD ANSWERS

X-RATED MOVIES

1. *E.T. The Extra-Terrestrial*
2. *The King and I*
3. *Dr. No*
4. *M*A*S*H*
5. *Victor/Victoria*
6. *Bob & Carol & Ted & Alice*
7. *2001: A Space Odyssey*
8. *That's Entertainment!*
9. *Kramer vs. Kramer*
10. *Catch-22*
11. *They Shoot Horses, Don't They?*
12. *F/X*
13. *Oh, God!*
14. *Porky's*
15. *McCabe and Mrs. Miller*
16. *20,000 Leagues Under the Sea*
17. *Twelve O'Clock High*
18. *To Live and Die in L.A.*
19. *Miracle on 34th Street*
20. *Tora! Tora! Tora!*
21. *Three Amigos!*
22. *What's Up, Doc?*
23. *... And Justice for All*
24. *Meet Me in St. Louis*
25. *Singin' in the Rain*

THE OLD SWITCHER-RULE

Switch the 7 and the 10, and draw the line between the 8 and 9. Then all the sums will be 39.

FAMILY PICTURE

The word is PANORAMA: PA-NORA-MA.

IN A DAZE

The next word in the series is FIR. Each word is an anagram of the letters in one of the days of the week, with the letters -DAY dropped.

YOU DON'T SAY

They wouldn't say anything—none of these characters ever spoke.

RUSSIAN 101

- 1-h, mountain climbing
- 2-g, hurdler
- 3-c, chocolate bar
- 4-j, performer
- 5-e, drug addict
- 6-n, scaremonger
- 7-f, gliding
- 8-d, cigarette case
- 9-o, weather forecast
- 10-k, printout
- 11-a, cab driver
- 12-i, operator
- 13-m, sailor
- 14-b, camera
- 15-l, pupil

Adapted from Words, Ltd., Molokai, HI 96742

THE OZ QUEST

The winner was Frazz, the Quadling, who found a bicycle, a bicycle basket, and a cyclone.

Snid, from the Emerald City, found a bicycle and a bicycle basket.

Hoodle, the Munchkin, found a screen door and a cyclone.

Balabu, the Gillikan, found a bicycle.

Pelerooney, the Winkie, found a cyclone cellar.

WORDS TO THE WISE

Each of the words become a new word if the letter Y is placed in front of it: yarrow, yawning, yawl, etc.

AGE OF REASON

Jim is 51 years old, and his brother is 35.

ALPHABETICAL ORDER

Our answers are:

absence
dreadful
gherkin
jackal
monopoly
queerest
turnover
beeswax
analyze

(Other answers may be possible.)

THE BEST MOVE

After rolling 6-1, Black's best move is to resign! His roll only allows him to take off one piece. Since Red will always bear off his remaining checkers within two turns, Black will have at most one more roll to bear off five checkers, an impossibility.

A.K.A. ON TV

1. The Beaver (*Leave It to Beaver*)
2. Hoss (*Bonanza*)
3. J. R. (*Dallas*)
4. Fonzie (*Happy Days*)
5. Radar (*M*A*S*H*)
6. Gidget (*Gidget*)
7. Hutch (*Starsky and Hutch*)
8. Scotty (*Star Trek*)
9. Kookie (*77 Sunset Strip*)
10. Ponch (*CHiPs*)
11. B. A. (*The A-Team*)
12. The Skipper (*Gilligan's Island*)

EVENTS

If you plan to attend any of the following events, write or call to check entry fees, dates, sites, eligibility, etc. Include a SASE with your request. If you know of other events suitable for this column, write to Events, c/o GAMES.

APRIL DAY OF THE MONTH: APRIL 31

The purpose of "Diacritical Day" is to recognize the value of those seldom used accent marks known as diacritics. Coined in 1866, a diacritic is an accent near or through an orthographic or phonetic character or combination of characters indicating a phonetic value different from that given the unmarked or otherwise marked element. The diacritics are: the acute and grave accent, circumflex, tilde, macron, breve, haček, diaeresis, and cedilla. Remember, a diacritic a day keeps the proof-reader awake!

HUMOR The seventh international WHIM Humor Conference, April 1-4 at Purdue University will explore what tickles your funny bone. This year's conference has as its theme "Humor of the Midwest." WHIM (World Humor and Irony Membership) includes humor scholars and performers who will speak on the significance of humor in psychology, literature, and many other subjects. Presentations, displays of humor publications, and a joke-telling contest are some of the other events. CONTACT: Victor Raskin, Chair, Linguistics Program, Heavilon Hall, English Dept., Purdue University, West Lafayette, IN 47907 or call (317) 494-3780 or (317) 494-3782.

KITES The expression "Go fly a kite" will take on new meaning at the Kalamazoo County Parks Kitefest 1988 at River Oaks Park in Kalamazoo, Michigan. Sponsored by the Kalamazoo County Parks Dept., Kitefest '88 will include a kite-making workshop for children, kite-flying competitions and demonstrations, and plenty of high-flying kites. Awards will be given in several categories, including a prize for the kite with the best theme. CONTACT: Kalamazoo County Parks Dept., 2900 Lake St., Kalamazoo, MI 49001 or call John Cosby at (616) 383-8778.

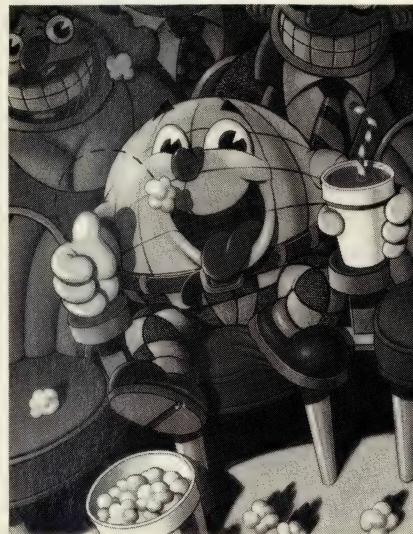
SCRABBLE The tenth annual Huntington Beach Scrabble Tournament will be held April 9-10 at the Driftwood Beach Recreation Center, 21462 Pacific Coast Highway, Huntington Beach, CA 92646. Competitions will be held in three skill divisions, and cash prizes will be awarded. CONTACT: Geneva Akers at (714) 960-2729.

MAY

DAY OF THE MONTH: MAY 20-28

The purpose of Cartoon Art Appreciation Week is to create a greater public awareness of and appreciation for cartoon art and its creators. Through their chronicling of the fun and fears of our times, cartoons reflect our social, economic and cultural history. The various forms of cartoon art in-

clude comic books, which were started by newspaper publishers as an advertising promotion, magazine cartoons, such as those in Esquire and Playboy, animation art, mastered by Walt Disney, and newspaper cartoons, which most readily spring to mind when people think of cartoon art. A major emphasis of Cartoon Art Appreciation Week will be directed to elementary and high school students to promote reading and comprehension skills through the use of the daily and Sunday comic pages. CONTACT: Cartoon Art Museum, Ronald L. Schwartz, Chairman, 1 Sutter St., Suite 205, San Francisco, CA 94104.



CROSSWORDS Clever cruciverbalists will meet at the Fourth Annual North Jersey Crossword Open June 4 at the Riverside Square Mall in Hackensack, New Jersey. Competitions in three solving skill divisions along with crosswords and informal games will be the highlights of this year's event. A total of \$1,000 in cash prizes will be awarded. CONTACT: American Crossword Federation, P.O. Box 69, Massapequa Park, NY 11762 or call (212) 608-5150.

FESTIVAL The Franklin Institute's Annual Bubbles and Balloons Festival will be held May 14-15, at the Franklin Institute in Philadelphia, PA. This year's festival features the return of "Professor Bubble," noted bubbleologist Richard Faverty, who is known as the master of the double body bubble, which is a technique that encases two people in one giant soap bubble. Other programs include bubble and balloon workshops and demonstrations. CONTACT: The Franklin Institute, 20th & the Parkway, Philadelphia, PA 19103-1194 or call (215) 448-1200.

GO The fifteenth annual Maryland Open Go Tournament will be held Saturday May 28th at St. Bartholomew's Episcopal Church in Baltimore City, Maryland. Players of all ranks are welcome, and cash prizes will be awarded. Entry fees range from \$5 to \$20. CONTACT: Sam Zimmerman at (301) 765-2771 or Keith Arnold at (301) 437-3376.



OFF-THE-WALNUT

MEMBERSHIP IN THE NEW CERTIFIED NUT SOCIETY

Membership in the **CERTIFIED NUT SOCIETY** is a gift which recognizes the recipient as a special person who enriches the lives of others through the positive use of humor. The membership will make the recipient **feel** special, too...because this gift shows your appreciation for a very important attribute - a good sense of humor.

The membership includes a "Certificate of Admission," beautifully printed on parchment, personalized with the name of recipient and individually numbered. The certificate is presented in a fine wood frame with glass and enclosed in a gift envelope. A personal letter from the **SOCIETY** is included which also provides for the purchaser(s) to sign.

To gain a "Petition for Membership" set please send \$2.00*. The set includes instructions, worksheets, order forms, an "Affidavit of Nuttiness," a postage-paid return envelope and full color illustrations of our **CERTIFIED NUT SOCIETY** family of nut characters.

These characters are the highlight of our certificates and gift items.

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LOVE NUT (Fun Lover)
ORDER D'ALMOND (Cream of the Crop)

Fine quality specialty gifts, imprinted with the selected nut character (in 4 color), may be purchased to compliment the Gift Membership.

Membership in **CERTIFIED NUT SOCIETY** (described above) 11.00*

Coffee Mug
The 10-oz. mug is by world-renowned Pfaltzgraff; it is dishwasher and microwave safe. 7.00*

T-shirt
The T-shirts are a high quality 50-50 polyester and natural fiber blend to provide comfort and good appearance with minimal shrinkage. 11.00*

* plus postage and handling
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Please send _____ petition set(s) at \$2.00 each. I also enclose \$1.00 postage and handling for the first set and \$.50 for each additional set.

TOTAL \$ _____

Name _____ (Please Print)

Street _____

City _____

State _____ Zip _____

ANSWERS

34 DOUBLE CROSS

- A. TOESHOE
- B. OFFICIATED
- C. MAYDAY
- D. WARSHIP
- E. ODONTOLOGY
- F. LAW AND ORDER
- G. FORTHWITH
- H. ESTABLISHED
- I. TOKAY
- J. HEATHEN
- K. EYE-POPPING
- L. RAMBUNCTIOUS
- M. INTERNECINE
- N. GALATIAN
- O. HATCHWAY
- P. TENEMENT
- Q. SHADOW
- R. TOFFEE
- S. UNDENIABLY
- T. FAVORITE
- U. FERVENT

A career in flying was like climbing one of those ancient Babylonian pyramids . . . and the idea was to prove at every foot of the way up that pyramid that you were one of the elected and anointed ones who had the right stuff.—Tom Wolfe, *The Right Stuff*

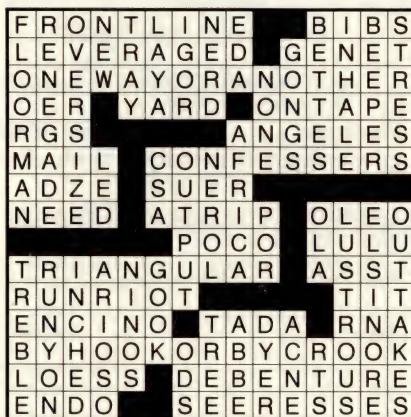
10 MAGIC

The number is 3.

25 WATER SUPPLY



27 GETTING THINGS DONE



35 BUILDING BLOCKS



42 BUSHKA

- A. 1. ... g8t 2.g3x6, de6 3.kxf6, f0x7.
- B. 1 dc3, c7x4 2. fe5, axd5 3. gf5, bxe5 4. e1x4, bxd4 5. d2x3, d5x4.
- C. 1. ... bf6 2. f2x5 e7f6x (This is a double piece-capture: Black moves from e7 to f7, capturing g7, and then continues from f7 to f6, capturing f5.) 3. f3x5 e65 4. e1x4 ce6 5. e2x5 axd5.
- D. 1. gf4 de4x 2. hg4 ef4x 3. gf6 cxe6 4. g5e5x (a quadruple piece-capture) followed by 5. f3x4.

25 MUM'S THE WORD

1. Mother Goose	8. Mother Iode
2. "Mammy"	9. Mother Nature
3. Fairy Godmother	10. Mr. Mom
4. Mother superior	11. Mother-of-pearl
5. Mommy Dearest	12. I Remember Mama
6. Whistler's Mother	13. Ma Barker
7. The Mamas and the Papas	14. Yo-Yo Ma

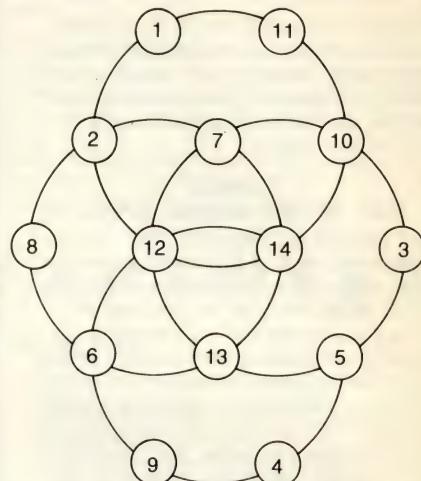
28 TWISTED TELEVISION

- 1. Cheeks (*Cheers*)
- 2. Moonsighting (*Moonlighting*)
- 3. The Frying Nun (*The Flying Nun*)
- 4. Slipper (*Flipper*)
- 5. The Old Couple (*The Odd Couple*)
- 6. Father Knots Best (*Father Knows Best*)
- 7. Growing Pawns (*Growing Pains*)
- 8. Beat the Flock (*Beat the Clock*)
- 9. Kodak (*Kojak*)
- 10. The A-Tram (*The A-Team*)
- 11. Perky Mason (*Perry Mason*)
- 12. The Moo Squad (*The Mod Squad*)

23 MARCHING BANDS



35 MAGIC RINGS



27 SHORT CHANGES

1. Plump, slender	9. Ornate, plain
2. Violent, calm	10. Scold, praise
3. Float, sink	11. Complete, lacking
4. Ebony, white	12. Moron, genius
5. Married, single	13. Placid, stormy
6. Rapid, slow	14. Tacit, stated
7. Kind, mean	15. Bungler, expert
8. Stable, shaky	16. Uninformed, learned

FAKE AD

The Fake Advertisement announced in the Table of Contents was for The Rack and appeared on page 41. Illustration by Jim Meskimen.

30 ALTERNATING CURRENCY

The 17-pengo coin is a turquoise square; the 36-pengo coin is a maroon circle; the 55-pengo coin is an olive green triangle.

22 TRAINING EXERCISE

By taking the following trains, Sally will make it to Hope Springs and back by 11:50: 7:20 from Alphaville, eastbound, to Discovery; 8:00 from Discovery, westbound, to Clarksville; 8:20 from Clarksville, eastbound, to Hope Springs; 9:20 from Hope Springs, westbound, to Ephemeral; 10:00 from Ephemeral, eastbound, to Fortuna; 10:40 from Fortuna, westbound, to Alphaville.

38 ON THE FACE OF IT

- 1. Abraham Lincoln
- 2. Salvador Dali
- 3. William Shakespeare
- 4. Fidel Castro
- 5. Mark Twain
- 6. Ayatollah Khomeini
- 7. Willie Nelson
- 8. Vincent Van Gogh
- 9. Frank Zappa
- 10. Adolf Hitler
- 11. Walt Disney
- 12. Clark Gable

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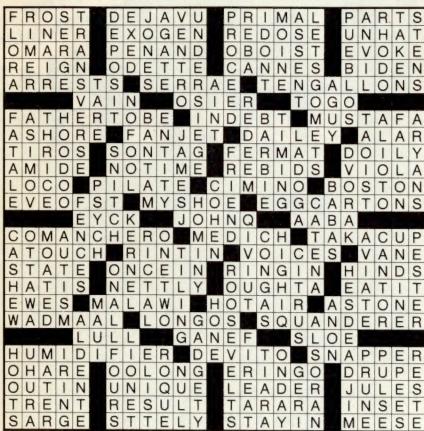
THE SUPER IQ REPORT

(CONTINUED FROM PAGE 45)

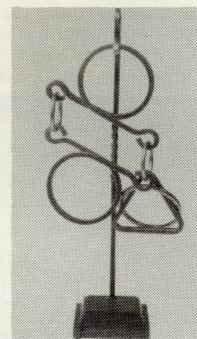
Table 2
IQ corresponding to each scaled score

Scaled score	Tested Pop. %ile	Gen. Pop. %ile	IQ
70	90	99.99	160
71	91	99.99	161
72	91	99.99	162
73	92	99.99	162
74	93	99.996	163
75	94	99.997	164
76	94	99.997	165
77	95	99.997	165
78	95	99.998	166
79	96	99.998	167
80	97	99.998	167
81	97	99.999	168
82	98	99.999	169
83	98	99.9995	170
84	98	99.9995	170
85	98	99.9996	171
86	99	99.9997	172
87	99	99.9997	172
88	99	99.9997	173
89	99	99.9998	174
90	99	99.9998	175
91	99	99.9998	175
92	99	99.9999	176
93	99	99.9999	177
94	99	99.99995	178
95	99	99.99995	178
96	99	99.99996	179
97	99	99.99997	180
98	99	99.99997	180
99	99	99.99998	181
100	99	99.99998	182

35 SIX APPEAL



THE GALLERY



TAVERN PUZZLE[®] LYON'S LOOPS

Traditionally forged by blacksmiths to amuse their friends at country taverns, these wrought iron puzzles will delight everyone. Intricate constructions of linked rings, triangles and looped rods, the object is to remove one of the pieces using logic and perception, not physical force. The puzzles are forged by a blacksmith using antique tools and traditional smithy techniques. A forged metal stand is available separately. Order today! Tavern Puzzles make great gifts!

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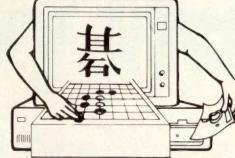
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